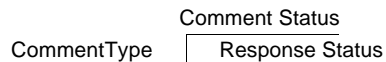


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#	CI	SC	CommentType	Response Status	Author
# 1	07	7	E / X / O		Bourgeois, Monique
Change "radio channel. It is" to "radio channel and is". Also remove comma between "MCPS, that" on line 38.					
# 2	06	Table 14	E / X / O		Bourgeois, Monique
Add a "value" column (see table 60, p. 96 in the MAC).					
# 3	07		E / X / O		Bourgeois, Monique
There are no MSCs showing how the MAC and PHY work together (for example, show a complete data transmission scenario).					
# 4	07	7.1.1.1.3	E / X / O		Bourgeois, Monique
Define "indirect transmissions" more clearly. Would it be more intuitive to call them "low priority transmissions" instead? Also reword "aMa					
# 5	07	7.1.1.1.3	E / X / O		Bourgeois, Monique
Wording is not clear. Even if the device is in the middle of a previously received transmission, would it stop in the middle in favor of a non-ind					
# 6	07	Table 31	E / X / O		Bourgeois, Monique
"(See 6.7.8)" is not a proper cross reference.					
# 7	07	7.1.1.3.2	E / X / O		Bourgeois, Monique
Reword "shall be checked" to "shall be evaluated".					
# 8	07	Table 33	E / X / O		Bourgeois, Monique
There is only one TxOption. Change type from bitmap to boolean. Perform a search for other occurrences of this.					
# 9	07	Table 36	E / X / O		Bourgeois, Monique
Add a status value = SUCCESS.					
# 10	07	7.1.3.4.2	E / X / O		Bourgeois, Monique
This primitive describes all scenarios leading to possible status values (this info is also given in the request primitive). Some other confirm pri					
# 11	07	7.1.3.4.3	E / X / O		Bourgeois, Monique
The 8-bit address may only be used for PAN communication if it is 00-fd.					
# 12	07	7.1.4.1.2	E / X / O		Bourgeois, Monique
Reword "to request to disassociate" to "to request disassociation".					
# 13	07	7.1.6.1.2	E / X / O		Bourgeois, Monique
Change from "an issued" to "and issued".					
# 14	07	7.1.6.2.3	E / X / O		Bourgeois, Monique
Reword as : "Otherwise, the status parameter INVALID_ATTRIBUTE shall indicate that the requested PIB attribute does not exist in the data					
# 15	07		E / X / O		Bourgeois, Monique
There is inconsistent usage throughout the clause between "0x00" and "0".					
# 16	07	Table 44	E / X / O		Bourgeois, Monique
Change valid range to 1-(aNumSuperframeSlots-1). This also appears on page 117, line 2. Also reword "a currently allocated GTS" to "a pr					
# 17	07	7.1.9.1.3	E / X / O		Bourgeois, Monique
How does effect on receipt correspond to TRUE and FALSE? What does FALSE mean in Table 48? What does it mean to reset the MAC bu					
# 18	07	Table 50	E / X / O		Bourgeois, Monique
Change description to read "Indicates the type...". Also reword lines 46-47 to read: "Passive...prior to selecting a PAN for association. Orph					
# 19	07	Table 50	E / X / O		Bourgeois, Monique
It is confusing to say aBaseSuperframeDuration*(2**n+1) seconds when the constant is actually defined in symbols. This occurs throughout t					

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# 20	CI 07	SC 7.1.11.1.3	E / X / O	Bourgeois, Monique
Reword as "...request primitive to the PHY layer. When the...confirm primitive, it shall...in the channel list. The energy...".				
# 21	CI 07	SC Table 51	E / X / O	Bourgeois, Monique
The status ILLEGAL_OPERATION does not appear anywhere else in the draft.				
# 22	CI 07	SC 7.1.11.2.2	E / X / O	Bourgeois, Monique
Wording about the energy detection scan is unclear.				
# 23	CI 07	SC Table 52	E / X / O	Bourgeois, Monique
Missing comma.				
# 24	CI 07	SC 7.1.12.1.3	E / X / O	Bourgeois, Monique
Reword as "in the database, the MLME shall issue the MLME-SET.confirm primitive with as status of INVALID_VALUE. If the MLME...". Als				
# 25	CI 07	SC 7.1.14.1.1	E / X / O	Bourgeois, Monique
Change DestAddress to DstAddress for consistency. Also change in table 57.				
# 26	CI 07	SC 7.1.14.1.2	E / X / O	Bourgeois, Monique
Does the condition when "the device is unable to apply security to the outgoing frame" require an additional ReasonCode? Also incorporate t				
# 27	CI 07	SC 7.1.15.3	E / X / O	Bourgeois, Monique
Reword as "Figure 33 shows how to acquire a beacon in a beacon enabled PAN, while Figure 44 shows how to request data from a coordina				
# 28	CI 07	SC Figure 33	E / X / O	Bourgeois, Monique
Change caption to read "chart for acquiring a beacon in a beacon enabled PAN". Change figure 34 caption to read "chart for requesting data				
# 29	CI 07	SC 7.1.16.1.2	E / X / O	Bourgeois, Monique
Add wording "...the MLME of a device and issued...". In line 34, add "aMaxFrameRetries attempts". In line 53, add "with its coordinator follow				
# 30	CI 07	SC 7.2	E / X / O	Bourgeois, Monique
Reword b) as "A MAC payload, of variable length, which...frame type. Acknowledgment frames do not contain a payload.".Reword c) as "A M				
# 31	CI 07	SC 7.2	E / X / O	Bourgeois, Monique
Unclear text.				
# 32	CI 07	SC Table 60	E / X / O	Bourgeois, Monique
Enumeration parameters missing.				
# 33	CI 07	SC Table 61	E / X / O	Bourgeois, Monique
Move the sequence number field after the frame control field. This is easier for the hardware when parsing the frame header. See Tables 64,				
# 34	CI 07	SC 7.2.1.1.6	E / X / O	Bourgeois, Monique
Reword as "one bit in length and shall be set to 0 if the frame...MAC sublayer.If the SEC bit is set to 1...".				
# 35	CI 07	SC 7.2.1.6	E / X / O	Bourgeois, Monique
Reword as "in the data or MAC command frame into". Do the same in line 32.				
# 36	CI 07	SC 7.2.2.1.1	E / X / O	Bourgeois, Monique
Remove "Table 79" and add cross-reference to Table 63.				
# 37	CI 07	SC Table 65	E / X / O	Bourgeois, Monique
CAP length only requires 4 bits. The text in lines 26-28 must also be changed.				
# 38	CI 07	SC 7.2.2.4.1	E / X / O	Bourgeois, Monique
Change to "When the transaction" (remove the word "data"). On p. 106 line 25, reword as "association, as determined".				

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# 39	CI 07	SC 7.3.2.1	E / X / O	Bourgeois, Monique
Eliminate inconsistency between "non-beacon enabled PAN" and "non beacon enabled PAN". Change line 18 to read "with the SyncMode p				
# 40	CI 07	SC Table 89	E / X / O	Bourgeois, Monique
Put units for aBaseSuperframeDuration (symbols). Clarify units for aMaxAssociationPeriod (symbols?). In description for aMaxCommunicatio				
# 41	CI 07	SC 7.5	E / X / O	Bourgeois, Monique
Is it necessary that this subclause mention every section by name?				
# 42	CI 07	SC 7.5	E / X / O	Bourgeois, Monique
Does this paragraph belong here? Also, reword lines 33-34 to read "...implemented prior to transmission of a frame or...".				
# 43	CI 07	SC 7.5.1.1	E / X / O	Bourgeois, Monique
Reword to read "superframe, including the beacon frame transmission.". In lines 44-45, make it clear that the low power mode is actually a sl				
# 44	CI 07	SC 7.5.1.1	E / X / O	Bourgeois, Monique
This section could be made clearer by rewording it. Also the information in figures 36-37 could be combined.				
# 45	CI 07	SC 7.5.1.1.1	T / X / O	Bourgeois, Monique
There must be a minimum amount of space (in slots) reserved for the CAP in every superframe. If, for instance, the superframe becomes co				
# 46	CI 07	SC 7.5.1.1.2	E / X / O	Bourgeois, Monique
Reword as "A device transmitting...its transmissions...its GTS." In line 47, reword as "spacing period, the length of which is dependent". In lin				
# 47	CI 07	SC 7.5.1.3	E / X / O	Bourgeois, Monique
Missing comma between "transmission" and "and". In line 14, reword as "need to be clear". Lines 27-28 regarding the CAP are not reflected				
# 48	CI 07	SC Figure 38	E / X / O	Bourgeois, Monique
Change the "success" box to "Send". Success is not certain at this point. Change caption to something like "Slotted CSMA-CA transmission				
# 49	CI 07	SC 7.5.1.3	E / X / O	Bourgeois, Monique
Is channel fairness considered here? That is, does a device have precedence over a second device that begins the backoff procedure later?				
# 50	CI 07	SC 7.5.2.1	E / X / O	Bourgeois, Monique
Replace macSuperframeOrder with macBeaconOrder.				
# 51	CI 07	SC 7.5.2.1.2	E / X / O	Bourgeois, Monique
Sentence is redundant. Remove it (also for 7.5.2.1.3 and 7.5.2.1.4). Reword line 24 as "For each specified logical channel,...switch to the ap				
# 52	CI 07	SC 7.5.2.2.1	T / X / O	Bourgeois, Monique
This section was supposed to have been modified by the editing team prior to D15. Reword text.				
# 53	CI 07	SC 7.5.3.1	E / X / O	Bourgeois, Monique
Reword as "status field of the command". Reword line 38 as "The DME of the ".				
# 54	CI 07	SC 7.5.4.1	E / X / O	Bourgeois, Monique
Coordinator should also remember macBeaconOrder.				
# 55	CI 07	SC 7.5.4.4	T / X / O	Bourgeois, Monique
Make the orphaned device realignment procedure optional. Since this procedure is initiated by upper layers anyway, let the upper layer make				
# 56	CI 07	SC 7.5.6	E / X / O	Bourgeois, Monique
Remove "This subclause...". Should "DME" be used in line 29 instead of "next higher layer"?				
# 57	CI 07	SC 7.5.6.3	E / X / O	Bourgeois, Monique
Add a cross reference to aTurnaroundTime.				

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# 58	CI 07	SC Figure 20	E / X / O	Bourgeois, Monique
Should the MLME-SAP be drawn between the MLME and the upper layer also?				
# 59	CI 07	SC 7.1.3.1.3	E / X / O	Bourgeois, Monique
Reword text to distinguish between a device associating for the first time and a device reassociating to the PAN. Security should be handled				
# 60	CI 07	SC 7.2.2.1.2	E / X / O	Bourgeois, Monique
Reword as "length of time during which...is active, including the beacon frame transmission time."				
# 61	CI 07	SC 7.3.3	E / X / O	Bourgeois, Monique
Change "Devices" to "A device". Reword line 49 as "macPANId, and the".				
# 62	CI 07	SC 7.5.1.3	E / X / O	Bourgeois, Monique
This subclause describes slotted CSMA and only mentions unslotted CSMA. There should be more info on the unslotted case (perhaps a flo				
# 63	CI 07	SC 7.5.6.4.2	1 / X / O	Bourgeois, Monique
It seems unnecessary to have such a large range for ACK transmission time in an unslotted system. 12 symbols is enough time for Rx-Tx tur				
# 64	CI 04	SC	E / X / O	Bourgeois, Monique
Remove Del-ACK and Imm-ACK. Add DME "device management entity".				
# 65	CI 01	SC	E / X / O	Bourgeois, Monique
On page iv, the IEEE Std 802.15.4-2002 paragraph needs updating. In paragraph 1, the reference to "slotted" CSMA-CA does not hold true f				
# 66	CI 07	SC 7.1.7.3.1	E / X / O	Bourgeois, Monique
[SXu] This description only includes GTS reallocation.				
# 67	CI 07	SC 7.1.7.3	E / X / O	Bourgeois, Monique
[SXu] How does this primitive handle the case when the coordinator wants to deallocate the device's Tx GTS and reallocate its Rx GTS?				
# 68	CI 07	SC Table 32	E / X / O	Bourgeois, Monique
The subclause reference is missing for MLME-RESET.request.				
# 69	CI 07	SC 7.1.9.1	E / X / O	Bourgeois, Monique
[SXu] Does the coordinator release any information about the current associated device?				
# 70	CI 07	SC 7.1.11.2.1	E / X / O	Bourgeois, Monique
PANDescriptorSet is not in the parameter list.				
# 71	CI 07	SC 7.1.15.2	E / X / O	Bourgeois, Monique
There is no description for SYNC.confirm.				
# 72	CI 07	SC Table 70	E / X / O	Bourgeois, Monique
[SXu] Should an RFD be allowed to perform an active scan? If so, remove * from beacon request command. If not, make this clear in SCAN				
# 73	CI 07	SC 7.3.2.5	E / X / O	Bourgeois, Monique
[SXu] How can the coordinator broadcast the coordinator realignment command if the transaction is always initiated by the device (except for				
# 74	CI 07	SC 7.5.5	E / X / O	Bourgeois, Monique
[SXu] According to the text, the coordinator treats data request or MAC command as the transaction. If there is no capacity to store another t				
# 75	CI 07	SC 7.5.6.3	E / X / O	Bourgeois, Monique
[SXu] The coordinator will send a zero length payload to the requesting device. Then the PSDU length is 8 (2+3+1+2). According to Table 17				
# 76	CI 07	SC 7.5.6.3	E / X / O	Bourgeois, Monique
[SXu] According to the text, the coordinator will always send a data frame. If the coordinator needs to initiate a GTS deallocation/reallcation o				

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# 77	CI 07	SC 7.5.6.4.2	E / X / O	Bourgeois, Monique
[SXu] If the ACK transmission always occurs at a backoff slot boundary, does this mean that the ACK is always sent at (aTurnaroundTime +				
# 78	CI 07	SC 7.5.8.4	E / X / O	Bourgeois, Monique
[SXu] During reallocation, some GTSs are not affected. The text "if it has not received a valid GTS allocation, then its GTS is invalid" is incor				
# 79	CI 07	SC 7.5.8.4	E / X / O	Bourgeois, Monique
[SXu] If the PAN coordinator sends a GTS allocation for reallocation purposes, the PAN coordinator will indicate it in the beacon frame. The				
# 80	CI C	SC Table C.4	E / X / O	Bourgeois, Monique
This table needs to be updated to reflect the latest RFD/FFD functions.				
# 81	CI D	SC D.3.1.52.40	E / X / O	Bourgeois, Monique
The SDL must be modified, since the concept of delayed ACK has been removed from the draft.				
# 82	CI 07	SC Table 91	E / X / O	Bourgeois, Monique
Add definition of TRUE and FALSE to description. In line 36 change wording from "MAC" to "MAC sublayer" (also line 48, 52). In line 44, add				
# 83	CI 07	SC 7.5.6.5	E / X / O	Bourgeois, Monique
Reword as "the process of transmitting the data or MAC command". In line 45, replace "dealt with" with "processed". In line 51, where is the				
# 84	CI 07	SC 7.5.7	E / X / O	Bourgeois, Monique
Should the active scan be specifically mentioned here? In 7.5.8 page 138 line 17, place a comma between "receive GTS" and "it shall". Also,				
# 85	CI 07	SC 7.5.8.3	E / X / O	Bourgeois, Monique
Change to "using a previously". In line 47, add the word "and" after the comma. On page 140 line 3, place comma between "deallocated" an				
# 86	CI 05	SC	E / X / O	Bourgeois, Monique
"Cannot" should be one word.				
# 87	CI 05	SC 5.2	E / X / O	Bourgeois, Monique
Introduce the concepts of both "PAN coordinator" and "coordinator" (see the definitions subclause).				
# 88	CI 05	SC 5.2	E / X / O	Bourgeois, Monique
The subclause gives example applications for peer-to-peer topology but not for star.				
# 89	CI 05	SC 5.2.1	E / X / O	Bourgeois, Monique
Remove the word "and" to read "formation is performed".				
# 90	CI 05	SC 5.2.1.1	E / X / O	Bourgeois, Monique
Joining the network does occur at the MAC. Also the example association procedure is valid for all topologies, not just star.				
# 91	CI 05	SC 5.2.1.1	E / X / O	Bourgeois, Monique
Change 1) to read "for beacons from all coordinators in its radio sphere of influence." Change 2) to read "the network of the transmitting coor				
# 92	CI 05	SC 5.2.1.2	E / X / O	Bourgeois, Monique
This is no longer true. Every PAN must have exactly one PAN coordinator.				
# 93	CI 05	SC 5.4	E / X / O	Bourgeois, Monique
Get rid of capital letters in the middle of the sentence. Also do this for 5.4.6.				
# 94	CI 05	SC 5.4.2	E / X / O	Bourgeois, Monique
Replace "MAC" and "MAC layer" with "MAC sublayer" in two places. Also in 5.4.3, replace "PAN coordinator" with "coordinator" two times in				
# 95	CI 05	SC 5.4.3	E / X / O	Bourgeois, Monique
Introduce concept that a superframe is divided into slots.				

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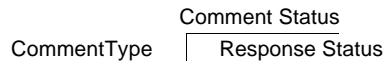
	CommentType	Comment Status	Response Status	Author
# 96 Word missing; write "superframe to that".	CI 05	SC 5.4.3	E / X / O	Bourgeois, Monique
# 97 Up to 7 GTs may be allocated but no more.	CI 05	SC 5.4.3	E / X / O	Bourgeois, Monique
# 98 Mention the idea that the beacon may also be turned off.	CI 05	SC 5.4.3	E / X / O	Bourgeois, Monique
# 99 This should be "unslotted" CSMA-CA.	CI 05	SC 5.4.4.1	E / X / O	Bourgeois, Monique
# 100 Frame following flag has been removed. See also page 17, lines 29-30.	CI 05	SC 5.4.4.2	E / X / O	Bourgeois, Monique
# 101 Change to "transmitting a MAC" and "using unslotted CSMA-CA". In line 30, add "slotted" CSMA-CA.	CI 05	SC 5.4.4.2	E / X / O	Bourgeois, Monique
# 102 Should read "An FFD".	CI 05	SC 5.4.5.1	E / X / O	Bourgeois, Monique
# 103 Make use of the terms "slotted" and "unslotted" CSMA-CA. Can these paragraphs be combined to remove redundancy?	CI 05	SC 5.4.6.1	E / X / O	Bourgeois, Monique
# 104 No more ACK "policy".	CI 05	SC 5.4.6.2	E / X / O	Bourgeois, Monique
# 105 The word "subclause" should appear in front of every cross-reference to a subclause. Also the term "MAC" should be replaced by "MAC subcl	CI 07	SC 7.5.9	E / X / O	Bourgeois, Monique
# 106 Check punctuation from this point until end of clause 7.	CI 07	SC 7.5.9	E / X / O	Bourgeois, Monique
# 107 If ACL is used, why not put the device in the ACL? In lines 39-42, make it clear that there is an entry for every trusted device.	CI 07	SC 7.5.9	E / X / O	Bourgeois, Monique
# 108 Is this "in the place of the original data"?	CI 07	SC 7.5.9.3.3	E / X / O	Bourgeois, Monique
# 109 Should this subclause be marked "informative"? Should it be moved earlier in clause 7?	CI 07	SC 7.6	E / X / O	Bourgeois, Monique
# 110 Clarify this sentence.	CI 07	SC 7.6.4	E / X / O	Bourgeois, Monique
# 111 The word "primitive" appears to have a different meaning here.	CI 07	SC 7.7.3	E / X / O	Bourgeois, Monique
# 112 Terms are used without first being defined.	CI 07	SC 7.7	E / X / O	Bourgeois, Monique
# 113 Should "xref" be replaced with an actual cross-reference? Also why aren't 64-bit and 32-bit cases mentioned here?	CI 07	SC 7.7.3.7	E / X / O	Bourgeois, Monique
# 114 What is meant by "data that is known by each party"? In 7.7.5.1.3 line 4 page 152, what is meant by "data that is transmitted"?	CI 07	SC 7.7.4.1.3	E / X / O	Bourgeois, Monique

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# 115	CI 07	SC Table 96	E / X / O	Bourgeois, Monique
What are the meanings of each flag?				
# 116	CI 07	SC 7.7.8	E / X / O	Bourgeois, Monique
Text needs clarification. See also 7.7.9 on page 159. Also see 7.7.10 on page 161.				
# 117	CI 03	SC 3.3	E / X / O	Cypher, David
PANN coordinator misspelled (i.e., two N's)				
# 118	CI 04	SC 4.0	E / X / O	Cypher, David
The word, Frame, is capitalized and should not be				
# 119	CI 05	SC 5.2.1.2.1	TR / X / O	Cypher, David
States that 'The cluster head responds by acknowledging the request, passes the cluster identifier and device identifier unique to the cluster				
# 120	CI 05	SC 5.3 Figure 3	TR / X / O	Cypher, David
The Figure 3 contains a PLME-SAP and MLME-SAP, which are now no longer present at these locations due to the inclusion of DME and usi				
# 121	CI 05	SC 5.4	E / X / O	Cypher, David
The list of items are capitalized (I assume this is due to the automatic inclusion of the subclause headings) and should not be.				
# 122	CI 05	SC 5.4.3	E / X / O	Cypher, David
sentence wording problem				
# 123	CI 05	SC 5.4.6	E / X / O	Cypher, David
The list of items are capitalized (I assume this is due to the automatic inclusion of the subclause headings) and should not be.				
# 124	CI 05	SC 5.5	E / X / O	Cypher, David
Two extra blank pages back to back				
# 125	CI 06	SC 6.0	E / X / O	Cypher, David
Annex C is reference, but it should be Annex E				
# 126	CI 06	SC 6.2 Figure 15	TR / X / O	Cypher, David
This figure 15 is in conflict with Figure 3. The SAPs are not the same.				
# 127	CI 06	SC 6.2.2	TR / X / O	Cypher, David
Table 6 is missing the newly included PLME-SYNC-BURST.request primitive				
# 128	CI 06	SC 6.2.2.2.3	TR / X / O	Cypher, David
The receipt of the PLME-CCA.confirm primitive by the MAC sublayer does not always allow the MAC to transmit data using the PHY data ser				
# 129	CI 06	SC 6.2.2.9	E / X / O	Cypher, David
The comma should be after the status and not after PIBAttribute				
# 130	CI 06	SC 6.2.2.9 Table	T / X / O	Cypher, David
The Enumerated Valid Range in Table 13 is not consistent with Table 14				
# 131	CI 06	SC 6.3.1.4	E / X / O	Cypher, David
Missing a space between the end of one sentence and the beginning og the next.				
# 132	CI 06	SC 6.6.2.1 Figure	E / X / O	Cypher, David
Figure 18 is missing the clause for the Bit-to-Chip box.				
# 133	CI 01	SC	E / X / O	Cypher, David
The consistent use of k and K is not maintained. For example in 6.6.3.2 page 45 lines 21-23 both kHz and KHz are used. I assume they are				

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Comment ID	Comment Type	Section	Response Status	Author	
# 134	CI	07	SC 7.1	TR / X / O	Cypher, David
The DME is not part of the standard 802 layered structure or 802 model and the two statements from clause 7.1, "In order to provide correct					
# 135	CI	07	SC 7.1.5.2	Figure 1 / X / O	Cypher, David
Figure 24 only shows one of the possible causes for MLME-BEACON-NOTIFY.indication. The missing one is that the PAN coordinator subfil					
# 136	CI	07	SC 7.1.6.1.2	E / X / O	Cypher, David
word, an, should be the word, and.					
# 137	CI	07	SC 7.1.6.2.1	tabl E / X / O	Cypher, David
Parenthesis in Valid Range column for PIBAttributeValue closes to soon. It should include 'and Table 91					
# 138	CI	07	SC 7.1.11.1.3	TR / X / O	Cypher, David
States that the MLME receives the PLME-ED.confirm primitive, however, this is not possible since the DME was added. The PLME-ED.confir					
# 139	CI	07	SC 7.1.11.2.1	TR / X / O	Cypher, David
The PANDescriptorSet is missing as a parameter					
# 140	CI	07	SC 7.1.13.1	E / X / O	Cypher, David
Sentence wording not correct					
# 141	CI	07	SC 7.1.14.1.1	E / X / O	Cypher, David
The use of Dest for Destination in the parameter list and Table 57 is inconsistent with the Dst terminology used in other places.					
# 142	CI	07	SC 7.1.15.2	TR / X / O	Cypher, David
There is no description for this primitive.					
# 143	CI	07	SC 7.1.16.2	Figur TR / X / O	Cypher, David
Is the MLME-SYNC-LOSS.indication primitive the only response for the MLME-SYNC.request primitive? I do not think so. The MLME-SYN					
# 144	CI	07	SC 7.1.17	Table TR / X / O	Cypher, David
The Enumeration, Invalid_Attribute for the SET/GET should be Unsupported_Attribute as in the GET and SET clauses. The Description incl					
# 145	CI	07	SC 7.2.2.1.1	E / X / O	Cypher, David
The reference to Table 79 is incorrect. It should be Table 63					
# 146	CI	07	SC 7.3.1	TR / X / O	Cypher, David
It states that an RFD need not implement the association response command, however, a association response command is the expected re					
# 147	CI	07	SC 7.3	E / X / O	Cypher, David
Table 69 uses the term "Command type" as does clause 7.2.2.4.2, however clause(s) 7.3 and table 70 use the term, Command frame identif					
# 148	CI	07	SC 7.3.2.1	E / X / O	Cypher, David
Wrong verb tense.					
# 149	CI	07	SC 7.5.1.1	Figure TR / X / O	Cypher, David
The figure shows a special case, not a general case for the superframe. That case is when the SO and BO are equal. This needs to be stat					
# 150	CI	07	SC 7.5.1.1	Figure TR / X / O	Cypher, David
The maximun number of slots now defined for a superframe is 16. This is also stated in Table 89. However the text of clause 7.2.2.1.2 page					
# 151	CI	07	SC 7.5.1.3	E / X / O	Cypher, David
Awkward sentence. Subject verb does not agree and need to add the word, be.					
# 152	CI	07	SC 7.5.2.1	TR / X / O	Cypher, David
It staes that all devices shall be able to perform energy detection, active, passive, and orphan scans, but according to Table 70, the beacon r					

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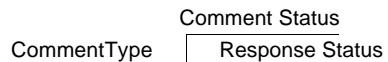
# 153	CI 07	SC 7.5.2.1.1	TR / X / O	Cypher, David
It states that 'by the MLME issuing the PLME-ED.request, however, clause 6.2.2.3.2 states that the DME, not the MLME issues the PLME-E				
# 154	CI 07	SC 7.5.2.1.2	TR / X / O	Cypher, David
The text indicates that the units are in seconds, yet Table 89 indicates that the units are in symbols.				
# 155	CI 07	SC 7.5.2.1.3	TR / X / O	Cypher, David
The text indicates that the units are in seconds, yet Table 89 indicates that the units are in symbols.				
# 156	CI 07	SC 7.5.2.1.4	TR / X / O	Cypher, David
The text indicates that the units are in seconds, yet Table 89 indicates that the units are in symbols				
# 157	CI C	SC Annex C	TR / X / O	Cypher, David
PICS Proforma needs to be updated to match the numerous changes and after the letter ballot comments are addressed to remove the inco				
# 158	CI D	SC Annex D	E / X / O	Cypher, David
The SDLs are not aligned or complete due to the numerous changes and inconsistencies within the text				
# 159	CI C	SC Annex C	E / X / O	Cypher, David
There are two blank pages 185 and 186				
# 160	CI 00	SC 00	E / X / O	Gifford, Ian
The (TM) after WPAN is incorrect, per my 10Jun02 e-mail to the 802.15 AC. The Trademark Examining Attorney has refused the registratio				
# 161	CI 01	SC 1.1	E / X / O	Gifford, Ian
The sentence "It is the intent of this project to work toward a level of coexistence with other wireless devices in conjunction with Coexistence				
# 162	CI 05	SC 5.0	E / X / O	Gifford, Ian
The dashed list "16 channels in the 2.4GHz ISM band, 10 channels in the 915MHz ISM band and 1 channel in the European 868MHz band."				
# 163	CI 05	SC 5.1	E / X / O	Gifford, Ian
The sentence "...operating as PAN coordinator." is incorrect.				
# 164	CI 00	SC 00	E / X / O	Gifford, Ian
The TOC entry "D.3 P802.15.4 Medium Access Control layer package 207" is the first incorrect usage of MAC as a "layer" vs. a "sublayer".				
# 165	CI 06	SC 6.0	1 / X / O	Gifford, Ian
I believe the reference to RCR-33A is outdated. It should be "ARIB STD-T66". Here is the full reference "ARIB STD-T66 Second Generatio				
# 166	CI 06	SC 6.0	E / X / O	Gifford, Ian
I believe the reference to "ETS 300328, ETS 300220, CEPT Recommendation 70-03" needs to be modified.				
# 167	CI 06	SC 6.0	E / X / O	Gifford, Ian
The regulatory documents listed will need to be added to the bibliography. See IEEE Std 802.15.1-2002.				
# 168	CI 06	SC 6.1.4	E / X / O	Gifford, Ian
There is no xref for the "Annex E" reference. Again, there is a reference to Annex E in 6.1.5 with no xref.				
# 169	CI 06	SC 6.2	E / X / O	Gifford, Ian
The word "sub-layer" is spelled incorrectly.				
# 170	CI 06	SC Table 4	E / X / O	Gifford, Ian
The use of regular dash "-" or hyphen is not correct.				
# 171	CI 06	SC 6.6.2.3	E / X / O	Gifford, Ian
There is an error in the sentence ending "...Table Table 24—."				

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# 172	CI 06	SC 6.6.2.3	E / X / O	Gifford, Ian
There is a random period in the flow.				
# 173	CI 06	SC 6.8	E / X / O	Gifford, Ian
Again, please correct the sentence "...802.15.2 working group...", it is incorrect.				
# 174	CI 06	SC 6.8.2	E / X / O	Gifford, Ian
The sentence "The 802 Standard committee." is incorrect.				
# 175	CI 06	SC 6.2.2.1.3	T / X / O	Gorday, Paul
This subclause states that upon receiving the PLME-CCA.request primitive, 'The PHY layer shall first enable the receiver, perform the CCA				
# 176	CI 06	SC 6.2.2.3.3	E / X / O	Gorday, Paul
We may also want to clearly indicate whether the PLME-ED.request primitive will automatically enable or disable the receiver. The automatic				
# 177	CI 06	SC 6.7.2	T / X / O	Gorday, Paul
The definition of Rx-Tx turnaround time needs to be changed. It is no longer measured at the leading edge of the resulting ACK because the				
# 178	CI 06	SC 6.2.1.3.2	E / X / O	Gorday, Paul
The last sentence should read read, '... if the received PSDU length field is equal to 0 or greater than aMaxPhyPacketSize'? A later section (
# 179	CI 06	SC 6.3.1.2	E / X / O	Gorday, Paul
In Table 16, the SFD byte value should be reversed to 7A to match the bit field.				
# 180	CI 06	SC 6.6.2.3	E / X / O	Gorday, Paul
The title of Table 24 contains a strike-through (left over from previous editing).				
# 181	CI 06	SC 6.8.2	E / X / O	Gorday, Paul
I thought we had previously agreed to remove bullet (c)?				
# 182	CI 07	SC 7.5.1.2	T / X / O	Gorday, Paul
The interframe spacing paragraph is written from a receiver point of view, where the choice of spacing period (SIFS vs. LIFS) is determined b				
# 183	CI 07	SC 7.5.1.3	E / X / O	Gorday, Paul
There appears to be a difference between the described backoff procedure in the text and the procedure illustrated in Figure 38. Line 33 on p				
# 184	CI 07	SC Table 32	E / X / O	Gutierrez, Jose
in the row 'MLME-Reset'. Missing reference to MLEME-RESET.request (7.1.9.1)				
# 185	CI 07	SC Table 49	E / X / O	Gutierrez, Jose
Why the DeferTime is in terms of symbols?<CR><CR>Will the integer range be enough?<CR><CR>Maybe time in terms of msec will be mo				
# 186	CI 07	SC Figure 30	E / X / O	Gutierrez, Jose
The caption of this figure states 'Message Sequence Chart for Beacon Scan procedure' when 7.1.11.3 states 'figure 30 illustrates the sequen				
# 187	CI 07	SC Table 50	E / X / O	Gutierrez, Jose
We have 27 possible logical channels.<CR>Why the ChannelListLength is bounded to 15?				
# 188	CI 07	SC 7.5.2.1.2	E / X / O	Gutierrez, Jose
The second paragraph of this subclause says:<CR>'If an active scan is requested in the MLME-Scan primitive, the device shall perform an				
# 189	CI 07	SC 7.5.2.1.2	E / X / O	Gutierrez, Jose
The first paragraph under this heading states: '... this could be used by a prospective PAN coordinator to select a PAN identifier prior to starti				
# 190	CI 07	SC 7.1.11.1	E / X / O	Gutierrez, Jose
The explanation of MLME-SCAN.request states: '... search for beacons containing either a specific PAN identifier or any PAN identifier' wh				

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#	CI	SC	CommentType	Response Status	Comment
# 191	CI 07	SC 7.1.11	E / X / O	Gutierrez, Jose	Make somewhere a reference to 7.5.2.1
# 192	CI 07	SC	E / X / O	Gutierrez, Jose	The definition of a passive scan in the 3rd paragraph on page 82 is unclear. The paragraph says: 'A passive scan, like an active scan...' <CR>
# 193	CI 07	SC Figure 24	E / X / O	Gutierrez, Jose	This figure does not shows that a Beacon-Notify.indication can occur when the PAN coordinator subfield is set to zero (when the coordinator
# 194	CI 07	SC 7.5.8	E / X / O	Gutierrez, Jose	The two paragraphs between lines 11 and 18 mention a "direction" mode that is not explained elsewhere (or even inside this subclause).<CR>
# 195	CI 07	SC 7.1.8.1	E / X / O	Gutierrez, Jose	This subclause should say:<CR>'This primimite allows the MLME - OF THE PAN COORDINATOR - to notify the DME of the presence of an
# 196	CI 07	SC 7.1.8.1.1	E / X / O	Gutierrez, Jose	All cells in the 'type' column must be centered.<CR>Check for other similar cases.
# 197	CI 07	SC 7.1.15.2	E / X / O	Gutierrez, Jose	MLME-SYNC.confirm has no text in it.<CR>It looks that this primitive is not required at all. Remove from here and from the MLME primitives t
# 198	CI 07	SC 7.1.16.2	E / X / O	Gutierrez, Jose	Figure 35:This message sequence chart is specific for one of the four cases for loss of sincronization (BEACON-LOST). Either make more g
# 199	CI 01	SC	E / X / O	Jamieson, Phil	[PAJ] Font problem for the names "Tony Adamson", "Chris marshall", "Paul Marshall" and "Phil Rudland".
# 200	CI A	SC	E / X / O	Jamieson, Phil	[PAJ] The subclauses of the annex are double spaced - this is not consistent with the main subclauses on page 1.
# 201	CI 01	SC	E / X / O	Jamieson, Phil	[PAJ] The contents list are on pages 1 and 2 and then the main section starts on page 1!
# 202	CI 01	SC 1	E / X / O	Jamieson, Phil	[PAJ] The claim "with no battery" seems a little imaginative!
# 203	CI 03	SC 3	E / X / O	Jamieson, Phil	[PAJ] Change "PANN" to "PAN".
# 204	CI 03	SC 14	E / X / O	Jamieson, Phil	[PAJ] Change "...authentication. (also called..." to "...authentication (also called...".
# 205	CI 03	SC 9	E / X / O	Jamieson, Phil	[PAJ] Change "802.15.4" to "IEEE 802.15.4".
# 206	CI 03	SC 24	E / X / O	Jamieson, Phil	[PAJ] Change "A network..." to "An IEEE 802.15.4 network...".
# 207	CI 03	SC 33	E / X / O	Jamieson, Phil	[PAJ] Change "802.15.4" to "IEEE 802.15.4".
# 208	CI 03	SC 35	E / X / O	Jamieson, Phil	[PAJ] Change "...unit across a..." to "...unit through a...".
# 209	CI 04	SC	E / X / O	Jamieson, Phil	[PAJ] Remove the abbreviations "AP", "Del-ACK", "DSB", "FFS", "FSB", and "Imm-ACK". "CID", "CLH", "DD" should also be removed as t

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# 210	CI 05	SC	E / X / O	Jamieson, Phil
[PAJ] Is "WPAN" a trademark? If so of whom? If so, shouldn't we be consistent throughout the document?				
# 211	CI 05	SC	E / X / O	Jamieson, Phil
[PAJ] What is the difference between a "logical device address" and an "allocated address"?				
# 212	CI 05	SC	E / X / O	Jamieson, Phil
[PAJ] Change "An FFD can switch... It can talk..." to "An FFD can talk...". Change "A RFD can not control the network; it can...an FFD an				
# 213	CI 05	SC 1	E / X / O	Jamieson, Phil
[PAJ] Change "...as PAN coordinator." to "...as the PAN coordinator."				
# 214	CI 05	SC 1	E / X / O	Jamieson, Phil
[PAJ] Remove "just".				
# 215	CI 05	SC 2	E / X / O	Jamieson, Phil
[PAJ] Change "In star topology..." to "In a star topology..."				
# 216	CI 05	SC 2.1	E / X / O	Jamieson, Phil
[PAJ] Change 1st sentence to "The formation of each topology is performed..."				
# 217	CI 05	SC 2.1.1	E / X / O	Jamieson, Phil
[PAJ] The text starting at the second paragraph is not relevant any more and should be removed up to the end of clause 5.2.1.1.				
# 218	CI 05	SC 2.1.2	E / X / O	Jamieson, Phil
[PAJ] Change "...of the coordinator..." to "...of a coordinator..."				
# 219	CI 05	SC 2.1.2	E / X / O	Jamieson, Phil
[PAJ] This paragraph is common to all topologies - remove it or put is somewhere common.				
# 220	CI 05	SC 3.1	E / X / O	Jamieson, Phil
[PAJ] Change "...as well receiving..." to "...as well as receiving..."				
# 221	CI 05	SC 4.2	E / X / O	Jamieson, Phil
[PAJ] Change "MAC layer" to "MAC sublayer".				
# 222	CI 05	SC 4.3	E / X / O	Jamieson, Phil
[PAJ] I think this should just refer to a "coordinator" rather than a "PAN coordinator".				
# 223	CI 05	SC 4.3	E / X / O	Jamieson, Phil
[PAJ] Figures 4 and 5: the graphical gap in the CAP is probably not necessary now there are only 16 slots.				
# 224	CI 05	SC 4.3	E / X / O	Jamieson, Phil
[PAJ] Change "...superframe that application." to "...superframe for that application."				
# 225	CI 05	SC 4.4.2	E / X / O	Jamieson, Phil
[PAJ] Remove the sentence beginning "The frame following flag...". Change "The pending data frame is sent..." to "The pending data frame				
# 226	CI 05	SC 4.4.2	E / X / O	Jamieson, Phil
[PAJ] Change "...transmitting MAC..." to "...transmitting a MAC..."				
# 227	CI 05	SC 4.4.2	E / X / O	Jamieson, Phil
[PAJ] Remove the sentence beginning "The acknowledgement...". On line 30 add between the two sentences "If data is not pending the PA				
# 228	CI 05	SC 4.4.3	E / X / O	Jamieson, Phil
[PAJ] Change "transfer" to "PAN".				

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# 229	CI 05	SC 4.4.3	E / X / O	Jamieson, Phil
[PAJ] Change "...its data after a clear channel assessment." to "...its data using CSMA-CA."				
# 230	CI 05	SC 4.5.1	E / X / O	Jamieson, Phil
[PAJ] Line 25: Change "A FFD..." to "An FFD...". Line 27: Change "...(SSF) field, the address..." to "...field, the pending address specificatio				
# 231	CI 05	SC 4.5.1	E / X / O	Jamieson, Phil
[PAJ] Figure 10: Add a "pending address specification" field (1 octet). Line 39: Change "7 + 3 or 10 + m + n" to "8 + (3 or 10) + m + n". Line				
# 232	CI 05	SC 4.5.1	E / X / O	Jamieson, Phil
[PAJ] Line 51: Change "frame" to "packet". Lines 52 & 53: Remove the word "field".				
# 233	CI 05	SC 4.5.2	E / X / O	Jamieson, Phil
[PAJ] Line 25: Remove the word "field" in both instances. Lines 31 & 32: remove the word "field".				
# 234	CI 05	SC 4.5.2	E / X / O	Jamieson, Phil
[PAJ] Figure 11: Change "5 + 3 to 20 + n" to "5 + (3 to 20) + n" and "11 + 3 to 20 + n" to "11 + (3 to 20) + n".				
# 235	CI 05	SC 4.5.4	E / X / O	Jamieson, Phil
[PAJ] Figure 13: Change "6 + 3 to 20 + n" to "6 + (3 to 20) + n" and "12 + 3 to 20 + n" to "12 + (3 to 20) + n".				
# 236	CI 05	SC 4.5.4	E / X / O	Jamieson, Phil
[PAJ] Lines 49 & 50: Remove the word "field".				
# 237	CI 05	SC 4.6.1	E / X / O	Jamieson, Phil
[PAJ] Lines 11-20: Reword as follows "...it shall wait for a random period. If the channel is found to be idle, following the random backoff, it s				
# 238	CI 05	SC 4.6.1	E / X / O	Jamieson, Phil
[PAJ] Line 26-27: Change "If the channel is busy on the boundary...window the device..." to "If the channel is busy, following this random bac				
# 239	CI 05	SC 4.6.2	E / X / O	Jamieson, Phil
[PAJ] Line 37: Change "...frame is confirmed..." to "...frame can be confirmed...". Line 38: Remove "depending on the acknowledgement pol				
# 240	CI 05	SC 5	E / X / O	Jamieson, Phil
[PAJ] This sentence does not make sense.				
# 241	CI 06	SC	E / X / O	Jamieson, Phil
[PAJ] There appears not to be many s-words in this clause. Be consistent with the use of "802.15.4" - this should be "IEEE 802.15.4" and a				
# 242	CI 06	SC	E / X / O	Jamieson, Phil
[PAJ] Change "...within current..." to "...within the current...".				
# 243	CI 06	SC 1.4	E / X / O	Jamieson, Phil
[PAJ] Change "...constant with value aTransmitPower..." to "...constant, aTransmitPower...".				
# 244	CI 06	SC 1.6	E / X / O	Jamieson, Phil
[PAJ] Adjust spacing of "- PER <1%".				
# 245	CI 06	SC	E / X / O	Jamieson, Phil
[PAJ] Line 9: Change "...sublayer is unspecified." to "...sublayer is specified in clause 7.". Line 14: Change "MAC sublayer" to "DME". Lines				
# 246	CI 06	SC	E / X / O	Jamieson, Phil
[PAJ] Line 25: Change "MAC sublayer" to "DME". Lines 30-31: Change paragraph to "On receipt of this primitive, the DME is notified of the				
# 247	CI 06	SC 2.2.4.2	E / X / O	Jamieson, Phil
[PAJ] Change "...DME in response..." to "...DME following an energy detection measurement in response...".				

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# 248 [PAJ] Change "MLME" to "DME".	CI 06 SC 2.2.7.2	E / X / O	Jamieson, Phil
# 249 [PAJ] "aTransmitPower" should be in italics.	CI 06 SC Table 18	E / X / O	Jamieson, Phil
# 250 [PAJ] Change "PDSU" to "PSDU".	CI 06 SC 5.2.2	E / X / O	Jamieson, Phil
# 251 [PAJ] Scrappy looking equation.	CI 06 SC 5.2.5	E / X / O	Jamieson, Phil
# 252 [PAJ] Change "physical layer standard specifies" to "868/915 MHz PHY shall employ".	CI 06 SC 6.2	E / X / O	Jamieson, Phil
# 253 [PAJ] Table 23 - what does this mean? It is very unclear - clarify. Line 27: Tidy reference to table 24.	CI 06 SC	E / X / O	Jamieson, Phil
# 254 [PAJ] Line 19: Remove "either or". Line 43+: why is this space here?	CI 06 SC	E / X / O	Jamieson, Phil
# 255 [PAJ] What is N?	CI 06 SC 7.3	E / X / O	Jamieson, Phil
# 256 [PAJ] Line 14: Change "MAC layer" to "DME". Line 47: Change to "A busy channel shall be indicated by the PLME-CCA.confirm primitive (C	CI 06 SC	E / X / O	Jamieson, Phil
# 257 [PAJ] Line 6: Change "...PLME-CCA.request by the..." to "PLME-CCA.request primitive by the...". Lines 12-13: Surely we cannot reference	CI 06 SC 8.2	E / X / O	Jamieson, Phil
# 258 [PAJ] Remove "802.15 and 802.11".	CI 06 SC 2.2.2.3	E / X / O	Jamieson, Phil
# 259 [IAM] This should say MAC transmits only if it returns IDLE.	CI 06 SC Table 24	E / X / O	Jamieson, Phil
# 260 [IAM] Delete "PN sequences".	CI 06 SC 7.1	1 / X / O	Jamieson, Phil
# 261 [IAM,SEV2] How do we specify turnaround at 868/915 if symbol periods do not appear to be defined with this PHY? see 6.6.2.1?	CI 07 SC 1.7.3.1	1 / X / O	Jamieson, Phil
# 262 [MD,SEV2] The GTSId parameter of the GTS.indication contains the Id of a GTS being Deallocated. It has no way of indicating that a GTS h	CI 07 SC 3.1.2.3	1 / X / O	Jamieson, Phil
# 263 [MD,SEV1] The Association Response command packet contains the Coordinator's short address. This address isn't used by the MLME Ass	CI 03 SC 1	E / X / O	Jamieson, Phil
# 264 [TA] Access Control is not the right term to use.	CI 03 SC 5	E / X / O	Jamieson, Phil
# 265 [TA] Data that has its integrity cryptographically protected does not mean Authentic Data.	CI 03 SC 6	E / X / O	Jamieson, Phil
# 266 [TA] Would suggest the rewording of the Authentication term.	CI 03 SC 6	E / X / O	Jamieson, Phil

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# 267	CI 03	SC 26	E / X / O	Jamieson, Phil
[TA] Change to be inline with defined terms.				
# 268	CI 05	SC 2.1.1	E / X / O	Jamieson, Phil
[TA] Gr. Subclause.				
# 269	CI 05	SC 3.2	E / X / O	Jamieson, Phil
[TA] Abbreviations don't tie up.				
# 270	CI 06	SC 2	E / X / O	Jamieson, Phil
[TA] Reword to tie in with MAC SAP description.				
# 271	CI 06	SC 2.3	E / X / O	Jamieson, Phil
[TA] Misused word after renaming UNSUPPORTED_ATTRIBUTE to INVALID_ATTRIBUTE. Also in table 10, D.2.1.8.6, D.2.1.8.7, D.3.1.52.				
# 272	CI 07	SC 1.1.1.3	E / X / O	Jamieson, Phil
[TA] Not a very good description of what goes on and this is repetition of what is later said. Replace this and other paragraphs with a better				
# 273	CI 07	SC 1.2	E / X / O	Jamieson, Phil
[TA] Match up the words and acronym.				
# 274	CI 07	SC 5.9	E / X / O	Jamieson, Phil
[TA] The MAC should only know how and not when to apply security - this is the role of the higher layers.				
# 275	CI 07	SC 5.9	E / X / O	Jamieson, Phil
[TA] sp. macACLPANAddress				
# 276	CI 07	SC 1.1.1.1	E / X / O	Jamieson, Phil
[PAR] Is source addressing mode long=1 short=0, or the other way round?				
# 277	CI 07	SC 1.1.1.3	E / X / O	Jamieson, Phil
[PAR] Indirect only used "by a coordinator" - what about cluster tree, where non-coordinator devices send information on beacons as well?				
# 278	CI 07	SC 1.1.2.1	E / X / O	Jamieson, Phil
[PAR] For consistency with table 29, consider "dst addressing mode" and "indirect transmission" flags. This will enable a higher layer to rec				
# 279	CI 07	SC 1.1.3.1	E / X / O	Jamieson, Phil
[PAR] The bit fields here are xxxx 0000, ie: low bits first. Elsewhere in the document they are high bits first.				
# 280	CI 07	SC 1.1.3.1	E / X / O	Jamieson, Phil
[PAR] ACLEntry need not be checked if only security level 0 is being used. A higher layer should not assume that this flag is meaningful in t				
# 281	CI 07	SC 1.1.3.2	E / X / O	Jamieson, Phil
[PAR] For consistency, also describe here what happens if any security check fails. Is the message delivered?				
# 282	CI 07	SC 1.3.1	E / X / O	Jamieson, Phil
[PAR] What is the AssociationAddress field?				
# 283	CI 07	SC 1.3.1	E / X / O	Jamieson, Phil
[PAR] Is a confirm still sent, even if a MLME-SECURITY_ERROR.indication has been sent?				
# 284	CI 07	SC 1.3.2.1	E / X / O	Jamieson, Phil
[PAR] In cluster tree can associate only be received by a coordinator? Can it not be "proxied" by another device? Also applies to disassocia				
# 285	CI 07	SC 1.4.1.2	E / X / O	Jamieson, Phil
[PAR] It is later specified that this is to go indirectly. In this case a TIMEOUT option is required among the list of returned status values.				

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# 286	CI 07	SC 1.4.1.3	E / X / O	Jamieson, Phil
[PAR] MSDU? Copy and paste typo.				
# 287	CI 07	SC 1.5.1.1	E / X / O	Jamieson, Phil
[PAR] Text specifies whether "data frame" uses security, but this is a BEACON notify.				
# 288	CI 07	SC 1.5.2	E / X / O	Jamieson, Phil
[PAR] This beacon may also have its PAN coordinator flag = 0.				
# 289	CI 07	SC 1.7.1.1	E / X / O	Jamieson, Phil
[PAR] The PAN Co-ordinator receiving our GTS Request command will not know whether to send it directly or indirectly.				
# 290	CI 07	SC 1.7.2.1	E / X / O	Jamieson, Phil
[PAR] Also TIMEOUT should be returned.				
# 291	CI 07	SC 1.7.3.1	E / X / O	Jamieson, Phil
[PAR] Reallocate omitted from this description.				
# 292	CI 07	SC 1.11.2.1	E / X / O	Jamieson, Phil
[PAR] "]" missing.				
# 293	CI 07	SC 1.12.2.1	E / X / O	Jamieson, Phil
[PAR] INVALID_VALUE isn't in the table of status values.				
# 294	CI 07	SC 1.14.1.1	E / X / O	Jamieson, Phil
[PAR] This assumes only one PAN Id, which is not always the case.				
# 295	CI 07	SC 1.15.2	E / X / O	Jamieson, Phil
[PAR] SYNC.confirm incomplete, and not required.				
# 296	CI 07	SC 1.16.1.2	E / X / O	Jamieson, Phil
[PAR] Is this primitive also delivered to the PAN Co-ordinator if it receives a PAN Id conflict notification? If not, how is it informed of receiving?				
# 297	CI 07	SC 2.2.1.5	E / X / O	Jamieson, Phil
[PAR] Can a beacon sent with security be read by all intended targets? What is the application of beacon payloads?				
# 298	CI 07	SC 2.2.2.2	E / X / O	Jamieson, Phil
[PAR] Requirement for SEC=0 specifies what happens on transmit, but requirement for SEC=1 specifies what happens for receive.				
# 299	CI 07	SC 2.2.4	E / X / O	Jamieson, Phil
[PAR] There may not be an acknowledgement, eg: if the command is broadcast.				
# 300	CI 07	SC 2.2.4.3	E / X / O	Jamieson, Phil
[PAR] Clarify whether security, if present, applies to the Command type field. Ensure that this is ok for associate.				
# 301	CI 07	SC 3	E / X / O	Jamieson, Phil
[PAR] Association response and coordinator realignment must be received by an RFD. Beacon request must be sent by an RFD. However				
# 302	CI 07	SC 3.1.3.1	E / X / O	Jamieson, Phil
[PAR] Text says "disassociation notification response command", which doesn't exist.				
# 303	CI 07	SC 3.1.3.2	E / X / O	Jamieson, Phil
[PAR] Are 0x80 to 0xFF also reserved? Text says this is an 8 bit field. (7.3.1.2.4).				
# 304	CI 07	SC 3.1.3.1	E / X / O	Jamieson, Phil
[PAR] It should be legal to send this to either an extended address or a short address, as per the primitive in section 7.1.4.1.1. This is required				

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# 305 [PAR] Requesting acknowledgement from a broadcast packet is generally a bad idea.	CI 07	SC 3.2.3.1	E / X / O	Jamieson, Phil
# 306 [PAR] Use of security with the limited addressing information available in this case is meaningless.	CI 07	SC 3.2.4.1	E / X / O	Jamieson, Phil
# 307 [PAR,SEV1] Would implementation of devices be easier if in the case that this command is sent to a specific device, the destination PAN Id	CI 07	SC 3.2.5.1	1 / X / O	Jamieson, Phil
# 308 [PAR] As it is currently specified a PAN Co-ordinator may allocate the whole superframe period as CFP. In some cases this will be undesira	CI 07	SC 3.3.2	E / X / O	Jamieson, Phil
# 309 [PAR] macAllocatedAddress is the PAN Co-ordinator's short address. This is not what is meant.	CI 07	SC 3.3.2.1	E / X / O	Jamieson, Phil
# 310 [PAR] This figure does not include any additions for the security suite packet modifications.	CI 07	SC 4.1	E / X / O	Jamieson, Phil
# 311 [PAR] The default value is 0xFE. The description says that 0xFE means that the device is associated. This is not the default case.	CI 07	SC 4.2	E / X / O	Jamieson, Phil
# 312 [PAR] Identifiers don't have integer numbers assigned to them. This will help porting of code from MAC to another, which builds in "multiple	CI 07	SC 4.2	E / X / O	Jamieson, Phil
# 313 [PAR] The PAN Co-ordinator addresses (both short and extended) are known to the MAC. Should they be available here. If so, consider if i	CI 07	SC 4.2	E / X / O	Jamieson, Phil
# 314 [PAR] In a typical low latency network this gives us a maximum slave re-sync interval of 3.8 seconds. A value about twice this has previousl	CI 07	SC 4.2	E / X / O	Jamieson, Phil
# 315 [PAR] How can you do MAC level security (level 2?) without an ACL entry? (level 1).	CI 07	SC 4.2	E / X / O	Jamieson, Phil
# 316 [PAR] I think these attributes must be implemented one per target device. This is not implied by the table.	CI 07	SC 4.2	E / X / O	Jamieson, Phil
# 317 [PAR] The text says that all application data transfers are controlled by the devices rather than the PAN Co-ordinator. It neglects devices wit	CI 07	SC 5	E / X / O	Jamieson, Phil
# 318 [PAR,SEV1] Is time also required for any SIFS/LIFS period, if the device owning the first GTS might start transmitting immediately at the end	CI 07	SC 5.1.3	1 / X / O	Jamieson, Phil
# 319 [PAR] Reset CW to 2, not 1 (as specified elsewhere).	CI 07	SC 5.1.3	E / X / O	Jamieson, Phil
# 320 [PAR] Are beacons from the PAN Coordinator favoured over those from others in the PAN?	CI 07	SC 5.2.1.2	E / X / O	Jamieson, Phil
# 321 [PAR] Does this work? What happens if a Coordinator is reset, or changes it beacon order?	CI 07	SC 5.2.2.1	E / X / O	Jamieson, Phil
# 322 [PAR] In both cases it allocates an associated short address.	CI 07	SC 5.3.1	E / X / O	Jamieson, Phil
# 323 [RM] Is a pan coordinator required for peer-to-peer? I assume it is as clause 5.1 '...will include at least one FFD, operating as a PAN coordin	CI 05	SC 2.1.2	E / X / O	Jamieson, Phil

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# 324	CI 05	SC 4.6.3	E / X / O	Jamieson, Phil
[RM] Missing acronym ITU-T from the list of acronyms. [PAJ] What is this and why has it changed from CCITT?? Also 7.2.1.8.				
# 325	CI 07	SC 7.3.1	E / X / O	Jamieson, Phil
[TK] "A octet (also called an octet)..." ?? Similar for octet string.				
# 326	CI 07	SC 7.4	E / X / O	Jamieson, Phil
[TK] What is the role of AES in the ACL mode?				
# 327	CI 07	SC 7.4.1.1	E / X / O	Jamieson, Phil
[TK] This complete paragraph about storing security material is unclear. Is this described in other parts of the standard (or maybe sections b				
# 328	CI 03	SC 33	E / X / O	Jamieson, Phil
[CBM] preferred wording "...that is capable only of functioning as..."				
# 329	CI 05	SC 2.1.1	E / X / O	Jamieson, Phil
[CBM] "disassociate" I gather from the list is a special term. Should such special terms be indicated in some way? (As you appear to do for				
# 330	CI 07	SC 1.1.1.3	E / X / O	Jamieson, Phil
[RM] There is no specified behaviour of the transmission when there has been a security fault. I assume the frame will not transmitted? Als				
# 331	CI 07	SC Table 89	T / X / O	Jamieson, Phil
[RM] aMaxFrameResponceTime -> if the Initial backoff period in the CSMA algorithm if BE=1 (currently specified) then the following could o				
# 332	CI 07	SC 1.3.2	E / X / O	Jamieson, Phil
[RM] maxAssociation period is the length of time the PAN coordinator has taken to make a decision i.e. time between indication and respons				
# 333	CI 07	SC 1.9.1.3	E / X / O	Jamieson, Phil
[RM] After resetting will the device be guaranteed to be disassociated from the network - i.e. will it wait for an ack before resetting all the MA				
# 334	CI 07	SC 5.2.1.4	E / X / O	Jamieson, Phil
[RM] It is not specified what a lost device is, an explanation or cross refernece would be helpfull.				
# 335	CI 07	SC 5.2.1.4	E / X / O	Jamieson, Phil
[RM] The text indicates that the orphan scan shall complete if the '..Available channels..' have all been scanned - to be consistent this should				
# 336	CI 07	SC 5.4.4	E / X / O	Jamieson, Phil
[RM] In the text it inidcate that '...the device shall perform association' when is has been orphaned. It proably seems wise for the application				
# 337	CI 07	SC 5.7	E / X / O	Jamieson, Phil
[RM] cross reference to the Orphan realignment procedure would be useful i.e. to 7.5.4.4.				
# 338	CI 07	SC 5.1.3	E / X / O	Jamieson, Phil
[RM] There is no indication that the receiver shall not be on during CSMA. At present the standard is ambiguous. e.g. If the reciever is left o				
# 339	CI 07	SC 5.1.3	E / X / O	Jamieson, Phil
[RM] The frames that do not require CSMA also include those frames that are a result of a reply to a data request and can be transmitted wit				
# 340	CI 07	SC 5.1.3	E / X / O	Jamieson, Phil
[RM] The text does not indicate what happens in the first 40 symbols of the CAP during which nothing can transmit due to the CSMA algorith				
# 341	CI 05	SC 4.3	E / X / O	Jamieson, Phil
[PRM] Is the word 'Transactions' correct? Does a Transaction comprise a response? eg in a data request, when does the transaction end?				
# 342	CI 05	SC	E / X / O	Jamieson, Phil
[PRM] Line 3: Reword 'At the appropriate Point' ? Line 50: move 'in the network beacon' to between '... indicates' and ' that the data ...'. Lin				

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# 343	CI 05	SC	E / X / O	Jamieson, Phil
[PRM] Line 3: delete the word 'now'. Line 25: make reference to the timeout after '... and requests the data'. Line 32: delete the word 'now'.				
# 344	CI 05	SC	E / X / O	Jamieson, Phil
[PRM] Lines 19/20: Don't refer to a singular 'Frame Structure' and a plural 'are'. Line 30: is there an extra 'frame' ion the phrase '... for the fra				
# 345	CI 05	SC 4.5.2	E / X / O	Jamieson, Phil
[PRM] is there an extra 'frame' ion the phrase '... for the frame and a frame beacon ...'.				
# 346	CI 05	SC	E / X / O	Jamieson, Phil
[PRM] Line 12 and 26: refer to the 8 symbols following the boundary, not 'on'. Lines 9-20: Unclear! esp. l 20 'beacons shall be sent' in a sec				
# 347	CI 05	SC	E / X / O	Jamieson, Phil
[PRM] Remove the blank pages.				
# 348	CI 06	SC	E / X / O	Jamieson, Phil
[PRM] change 16-ary orthognal to O-QPSK				
# 349	CI 06	SC 2.2.3.3	E / X / O	Jamieson, Phil
[PRM] should this section refer to enabling and disabling the receiver ? If not where is it specified in the PHY clause?				
# 350	CI 06	SC Table 6	E / X / O	Jamieson, Phil
[PRM] Add 'Sync Burst' to the table.				
# 351	CI 06	SC 3.1.3	E / X / O	Jamieson, Phil
[PRM] move ' of payload versus...' from below the table to above it.				
# 352	CI 06	SC 3.1.3	E / X / O	Jamieson, Phil
[PRM] Why can't I send a 5 Byte packet other than an Ack?<CR>Why can't I send a 6 -> 8 byte packet ?				
# 353	CI 06	SC 5.2.4	1 / X / O	Jamieson, Phil
[PRM] Not sure how we will be able to implement the tx power field if we have an external PA.				
# 354	CI 06	SC 6.3.2	E / X / O	Jamieson, Phil
[PRM] This section needs more explanation.				
# 355	CI 06	SC 6.3.4	E / X / O	Jamieson, Phil
[PRM] Should 868 and 915 be the same ?				
# 356	CI 06	SC 7.7	E / X / O	Jamieson, Phil
[PRM] change '... (0) shall represent ...' to '...(0) shall indicate ...'.				
# 357	CI 06	SC 7.8	E / X / O	Jamieson, Phil
[PRM] can't associate quality with max & min signal levels - quality will fall off at low levels and high levels. therefore a LQI (not RSSI) based				
# 358	CI 06	SC 7.9	E / X / O	Jamieson, Phil
[PRM] Change ' ...The transmitter shall ...' because not always it won't! e.g. 1st CCA of a pair, or if CCA returns false.				
# 359	CI 07	SC 1.5.1.1	E / X / O	Jamieson, Phil
[PRM] Should this mention Encryption. If encrypted, can all devices decrypt?				
# 360	CI 07	SC Figure 24	E / X / O	Jamieson, Phil
[PRM] to '...octets of payload' add ' or PAN co-ordiantor subfield not set to zero.				
# 361	CI 07	SC 1.6.1.2	E / X / O	Jamieson, Phil
[PRM] Issued by layer above MAC as well as DME. Also 7.1.7.1.2, 7.1.7.1.3.				

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# 362 [PRM] Add and allocated according to fig 26 &27.	CI 07	SC 1.7.3	E / X / O	Jamieson, Phil
# 363 [PRM] Text Alignment not 'left'.	CI 07	SC table 49	E / X / O	Jamieson, Phil
# 364 [PRM] Can an orphaned device use security?	CI 07	SC 1.8.2.3	E / X / O	Jamieson, Phil
# 365 [PRM] Line 14: BI should be in seconds. Line 20: in ' 0<SO<14 ' replace the 14 with BO.	CI 07	SC Table 55	E / X / O	Jamieson, Phil
# 366 [PRM] Is security allowed in Beacons?	CI 07	SC Table 55	E / X / O	Jamieson, Phil
# 367 [PRM] The higher layers Shouldn't be allowed to send a data request to a co-ordinator in a network with beacons.	CI 07	SC 1.15.1.3	E / X / O	Jamieson, Phil
# 368 [PRM] The entire section is missing: when generated, effect on receipt etc.	CI 07	SC 1.15.2	E / X / O	Jamieson, Phil
# 369 [PRM] reword to get somethong like after amaxretires no acknowledgement has been received to any of the attempts to transmit .	CI 07	SC 1.16.1.2	E / X / O	Jamieson, Phil
# 370 [PRM] The Sync loss indication can come at any time. And not after a Sync.request.	CI 07	SC Figure 35	E / X / O	Jamieson, Phil
# 371 [PRM] Frame format order is depicted in order transmitted by the PHY, not necessarily yhr offer they are passed to the PHY.	CI 07	SC 2	E / X / O	Jamieson, Phil
# 372 [PRM] Needs sorting out. Half on one page ,and in the wrong place in the text.	CI 07	SC Table 60	E / X / O	Jamieson, Phil
# 373 [PRM] Change 'SEC' to say what it is for consistency.	CI 07	SC Table 62	E / X / O	Jamieson, Phil
# 374 [PRM] not only shall the bit be set to '1' but the fields will be present.	CI 07	SC 2.1.1.4	E / X / O	Jamieson, Phil
# 375 [PRM] change 'a' to 'the' when referring to the allocated address.	CI 07	SC 2.1.3	E / X / O	Jamieson, Phil
# 376 [PRM] add 'by the originating device' after 'reception of the Acknowledgement frame'.	CI 07	SC 2.1.6	E / X / O	Jamieson, Phil
# 377 [PRM] is it really true that I increment the DSN if no ack was received ?	CI 07	SC 2.1.6	E / X / O	Jamieson, Phil
# 378 [PAJ] Reference to table 79 is not a reference and is invalid - should be 63.	CI 07	SC 2.2.1.1	E / X / O	Jamieson, Phil
# 379 [PRM] The beacon will not be transmitted - does that mean /this/ beacon ?	CI 07	SC 2.2.1.2	E / X / O	Jamieson, Phil
# 380 [PRM] 'If a device ...' Should mention the MAC.	CI 07	SC 2.2.1.5	E / X / O	Jamieson, Phil

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		CommentType		Response Status	
# 381	CI 07	SC 3.1.1.1	E / X / O	Jamieson, Phil	
[PRM] not happy with the 'protected' should be processed as per p104 L 8. Also 7.3.1.2.1, 7.3.1.3.1.					
# 382	CI 07	SC 3.1.1.1	E / X / O	Jamieson, Phil	
[PRM] explain exactly where the address comes from.					
# 383	CI 07	SC 3.2.1	E / X / O	Jamieson, Phil	
[PRM] Ambiguous - needs rewording.					
# 384	CI 07	SC 3.2.1.1	E / X / O	Jamieson, Phil	
[PRM] If I am on a cluster tree - how do I do a data request if I can;t specify the destination address of the Data Request message?					
# 385	CI 07	SC 3.3.2.2	E / X / O	Jamieson, Phil	
[PRM] Pg. 117, Line 2: aMaxSuperFrameSlots is not in Table 89 (p 118). Pg. 116, Line 37: the GTS specification is 16 bits long - the identifi					
# 386	CI 07	SC 3.3.2.3	E / X / O	Jamieson, Phil	
[PRM] Please explain when the values are used not clear especially 4,6 & 7.					
# 387	CI 07	SC Table 89	E / X / O	Jamieson, Phil	
[PRM] Lines 27-30: Is this counted in the MAC ? Add clarifying text.					
# 388	CI 07	SC Table 90	E / X / O	Jamieson, Phil	
[PRM] Line 29: clarify - macBeaconTxTime is symbol periods since Beginning of preamble. Line 40: RX GTS_id. Is this only used in a slave					
# 389	CI 07	SC 5	E / X / O	Jamieson, Phil	
[PRM] Reword 'solve this eventuality'.					
# 390	CI 07	SC 5.1.1	E / X / O	Jamieson, Phil	
[PRM] Line 26: 'with the exception of the Ack frame' need to add reference to the frames which may be sent if they can go out without inerru					
# 391	CI 07	SC 5.1.1.1	E / X / O	Jamieson, Phil	
[PRM] Line 23: The CFP completes at the beginning of the CAP, not 'before' it. Line 26: Change to "acknowledgements and responses whic					
# 392	CI 07	SC 5.1.3	E / X / O	Jamieson, Phil	
[PRM] Change first available to 'subsequent' or 'next'.					
# 393	CI 07	SC Figure 28	E / X / O	Jamieson, Phil	
[PRM] change 'backoff slots' to 'active backoff slots' [PAJ]: "CAP backoff slots"?					
# 394	CI 07	SC 5.2.1.1	E / X / O	Jamieson, Phil	
[PRM] Xref to PLME-ED.request needed (6.2.2.3).					
# 395	CI 07	SC 5.2.1.2	E / X / O	Jamieson, Phil	
[PRM] Should describe that the beacons are not transmitted immediately, but at the Beacon Order time that they would have been anyway<					
# 396	CI 07	SC 5.2.1.4	E / X / O	Jamieson, Phil	
[PRM] Is this time correct? 1) if the Beacon order and SF order are different will it work ? Can we not expect a response in the same time as					
# 397	CI 07	SC 5.2.1.4	E / X / O	Jamieson, Phil	
[PRM] Line 13: Change 'all other co-ordiantors...' to 'If there is no record of the device ...'. Line 18: Singular 'set' so should be 'has' not 'have					
# 398	CI 07	SC 5.2.3	E / X / O	Jamieson, Phil	
[PRM] Either add 'active' to get 'returned fromn the active channel scan' or change the 'the' to 'a'.					
# 399	CI 07	SC 5.2.4	E / X / O	Jamieson, Phil	
[PRM] Add 'Unless a PAN co-ordiantor' at the beginning of the paragraph.					

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# 400	CI 07	SC 1.1.1.3	E / X / O	Jamieson, Phil
[PRM] Line 1: After aAck wait duration the word seconds is not needed - Remove it. Line 11: Before last sentence of paragraph add 'If the G				
# 401	CI 07	SC Table 31	E / X / O	Jamieson, Phil
[PRM] Mark optional or allow defaults for values which may not always be known. Also table 29.				
# 402	CI 07	SC 1.2	E / X / O	Jamieson, Phil
[PRM] 'only a part of the set of primitives is not required' is a double -ve. Rerword to clarify.				
# 403	CI 07	SC 1.3.1	E / X / O	Jamieson, Phil
[PRM] Clarify how it is possible to use security before associated with the network.				
# 404	CI 07	SC 5.3.1	E / X / O	Jamieson, Phil
[PRM] Pg. 128, Line 39: clarify that associate request messages will be ignored by a PAN co-ordiantor which is not allowing association. Pg.				
# 405	CI 07	SC 5.3.2	E / X / O	Jamieson, Phil
[PRM] Line 36: Add a Xref to the disassociation reason table. Line 40: Not clear at which point disassociation has been agreed. please add				
# 406	CI 07	SC 5.4.1	E / X / O	Jamieson, Phil
[PRM] Line 1: The requirement to record the time of transmission of the most recent beacon is Ambiguous (when is zero time?), and specifie				
# 407	CI 07	SC 5.4.3	E / X / O	Jamieson, Phil
[PRM] Line 13: The data polling need not be periodic. delete 'on a periodic basis' and put in 'as'. Line 16: not clear - explain that it is on recei				
# 408	CI 07	SC 5.4.4	E / X / O	Jamieson, Phil
[PRM] Line 34: The device should not necessarily repeat association. 1) it may not do so unles permitted by a master 2) the application may				
# 409	CI 07	SC 5.5	E / X / O	Jamieson, Phil
[PRM] Unclear. The word 'transaction is used twice, to refer to two different things (one complete, one discarded) Rerword.				
# 410	CI 07	SC 1.1.1.3	E / X / O	Jamieson, Phil
[TA] Add in a comment to cover messages that have the indirect transmission txoption set but no destination address.				
# 411	CI 07	SC 1.3.4	E / X / O	Jamieson, Phil
[MD] the primitives that send a Request to the MLME and expect a Confirm back rely on some data being sent over air. The MLME_DISASS				
# 412	CI 07	SC 1.4.1.2	E / X / O	Jamieson, Phil
[MD] Table 37: The DeviceAddress parameter is defined as being a short or IEEE address. However, the Disassociation Notification MAC co				
# 413	CI 07	SC 5.3.2	E / X / O	Jamieson, Phil
[PAR] "If" should read "The"				
# 414	CI 07	SC 5.4.1	E / X / O	Jamieson, Phil
[PAR] A PAN Co-ordinator should not go in to snooze mode if GTs are allocated, even if they haven't been used for a while.				
# 415	CI 07	SC 5.4.2	E / X / O	Jamieson, Phil
[PAR] This implication of this is that a non-Coordinator beacon should never bother to pend any addresses, as they will be ignored by the MA				
# 416	CI 07	SC 5.4.4	E / X / O	Jamieson, Phil
[PAR] The MLME-SCAN.request should be issued by the NWK Layer, not the MLME.				
# 417	CI 07	SC 5.5	E / X / O	Jamieson, Phil
[PAR] Typo. "receive" should be "receives".				
# 418	CI 07	SC 5.6.2	E / X / O	Jamieson, Phil
[PAR] There is little point in specifying the PAN coordinator's address in this case, as the PAN coordinator is implied by the omitted field.				

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# 419	CI 07	SC 5.6.5	E / X / O	Jamieson, Phil
[PAR] There is no point waiting aAckWaitDuration seconds (120 symbol periods), as section 7.5.6.4.2 page 134 line 53 specifies that it shall				
# 420	CI 07	SC 5.6.6	E / X / O	Jamieson, Phil
[PAR] This mechanism doesn't necessarily work. What if a message from another device is received between the two send attempts? Note				
# 421	CI 07	SC 5.6.7	E / X / O	Jamieson, Phil
[PAR] In each case in this diagram then DATA.confirm primitive should be sent After the ACK/timeout arrives/occurs, not before.				
# 422	CI 07	SC 5.8	1 / X / O	Jamieson, Phil
[PAR] In the case of a device losing synchronisation with the PAN Co-ordinator, all the GTS allocations are lost. There is no mechanism to t				
# 423	CI 07	SC 5.8	E / X / O	Jamieson, Phil
[PAR] An RFD "need" not implement GTS is specified elsewhere, eg: 7.3.3, page 114, line 15, and possibly elsewhere.				
# 424	CI 07	SC 5.8.3	E / X / O	Jamieson, Phil
[PAR] From this point the GTS should not be used, as if subsequent transactions fail we could end up with two devices using a single GTS sl				
# 425	CI 07	SC 6.5.2	E / X / O	Jamieson, Phil
[PAR] The text "may" used in this line and the next allows ambiguity, which means we don't know if it will do these or not.				
# 426	CI 07	SC 7.4.1.2	1 / X / O	Jamieson, Phil
[PAR] The length of the encrypted MAC payload is the same as it was prior to encryption. Is this practical with a block cipher? Will it not alw				
# 427	CI 07	SC 7.4.1.3	E / X / O	Jamieson, Phil
[PAR] What is this table about? What do the flags mean?				
# 428	CI 07	SC 7.5.1.2	1 / X / O	Jamieson, Phil
[PAR] Line 4 of this page says that sequential freshness is optional. If it is, there is no need to transmit the frame counter and key sequence				
# 429	CI 07	SC 7.8	1 / X / O	Jamieson, Phil
[PAR] Does lack of sequential freshness in this list limit its uses? Do sequential freshness makes more sense here than in AES-CTR mode,				
# 430	CI 07	SC 7.8.1.3	E / X / O	Jamieson, Phil
[PAR] Type - specifies, not specified				
# 431	CI B	SC 1	E / X / O	Jamieson, Phil
[PAR] CCM ideas can easily be extended to other block sizes. Has this been done? Should it be defined here? Can AES be used for other				
# 432	CI B	SC 1.1	1 / X / O	Jamieson, Phil
[PAR] Many devices we are trying to protect will have no persistent storage mechanism. Does our "freshness" counter become useless wit				
# 433	CI B	SC 3	E / X / O	Jamieson, Phil
[PAR] This text appears to specify that any device supporting any of the AES-CBC-MAC security suites, (and by implication also all the AES-				
# 434	CI 07	SC 5.9	E / X / O	Jamieson, Phil
[TA] This whole section is not very well written. There is poor explanation of how this system should fit into a larger secure system. The sec				
# 435	CI 07	SC 5.6.1	E / X / O	Jamieson, Phil
[PRM] Line 42: after 'use 64 bit address in all communications' add 'where the source address field is used' to clarify. Line 46: to clarify, repl				
# 436	CI 07	SC 5.6.3	E / X / O	Jamieson, Phil
[PRM] The requirement that the PAN co-ordinator bit is set to 1 before the address list is scanned will prevent the address list being scanned				
# 437	CI 07	SC 5.6.3	E / X / O	Jamieson, Phil
[PRM] Clarify that the message may not trample the CFP by adding 'and there is time remaining in the CAP for the message, inter frame sp				

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# 438	CI 07	SC 5.6.3	E / X / O	Jamieson, Phil
[PRM] The data following bit is informative. Change the '...shall extract...' to '... may extract...'				
# 439	CI 07	SC 5.6.4.2	E / X / O	Jamieson, Phil
[PRM] Clarify by adding 'on a Beacon enabled network' after 'if the transmission occurs in the CAP'.				
# 440	CI 07	SC 5.6.6	E / X / O	Jamieson, Phil
[PRM] Explain the cause of the problem more clearly by adding 'although the recipient did in fact transmit an Ack' after '... from the intended r				
# 441	CI 07	SC 5.6.7	E / X / O	Jamieson, Phil
[PRM] Line 11: clarify that the timer is reset and disabled, not merely reset. Lines 21 & 31: Clarify how the repeated attempt at transmission				
# 442	CI 07	SC 5.7	E / X / O	Jamieson, Phil
[PRM] Line 39: Clarify the Scan procedure by replacing the 'the' in '...channels using the scan...' by 'a' or explain which scan procedure is to				
# 443	CI 07	SC 5.7	E / X / O	Jamieson, Phil
[PRM] Would it be appropriate to require the PAN co-ordinator to send the realignment command three times to reduce the probability that d				
# 444	CI 07	SC 5.8	E / X / O	Jamieson, Phil
[PRM] Line 5: reword 'to either not' which seems clumsy. Lines 8-9: delete the superflous sentence 'rather than within the GTS it has been al				
# 445	CI 07	SC 5.8.1	E / X / O	Jamieson, Phil
[PRM] Line 40: replace 0x00 with 0 as used elsewhere to avoid the confusion that the identifier may be 8 bits long. Line 43: The co-ordiantor				
# 446	CI 07	SC 5.8.1	E / X / O	Jamieson, Phil
[PRM] Lines 16-18: remove this paragraph since it makes this a special case. Allow the same time as an associate request - a number of ba				
# 447	CI 07	SC 5.8.2	E / X / O	Jamieson, Phil
[PRM] Add additional text to explain that transmission may take place at any time during the GTS if the GTS is in progress when the primitive				
# 448	CI 07	SC 5.8.2	E / X / O	Jamieson, Phil
[PRM] A device may have a GTS and also use the CFP e.g. for MAC command frames. change 'devices' to 'messages' to clarify.				
# 449	CI 07	SC 5.8.2	E / X / O	Jamieson, Phil
[PRM] There is no reqiirement to have the receiver on 1 SIFS before the GTS - indeed this may be impossible if the preceeding TS was a TX				
# 450	CI 07	SC 5.8.2	E / X / O	Jamieson, Phil
[PRM] If the message is >18 bytes, the transmission must stop a LIFS before the end of the GTS. Clarify.				
# 451	CI 07	SC 5.8.4	E / X / O	Jamieson, Phil
[PRM] Pg. 140, Line 21: Text seems colloquial. Reword to change 'needs to be shifted and 'needs to be increased'. Line 34: tautology. A PA				
# 452	CI 07	SC 5.8.4	E / X / O	Jamieson, Phil
[PRM] This would not work for GTS's that have not been moved e.g. GTS 1 in the example (Fig 42) Either reword Line 37 to say that all GTS'				
# 453	CI 07	SC 1.7.3	E / X / O	Jamieson, Phil
[PRM] Should the ind primitive go to the upper layers of the coordinator? If so this table will need to include allocation stuff. (Take into a/c c				
# 454	CI 07	SC 1.10	E / X / O	Jamieson, Phil
[PRM] remove 'how' and reword as necessary.				
# 455	CI 07	SC 1.10.1.1	E / X / O	Jamieson, Phil
[PRM] Can't defer because the DME processing time is not specified Only the MAC runs in real time.. Time must be Absolute from a referen				
# 456	CI 07	SC 1.11.1.3	E / X / O	Jamieson, Phil
[PRM] Reword to say "until the number of beacons received equals an implementation specified limit or aBaseSuperframeDuration...". Also I				

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# 457	CI 07	SC 1.11.1.3	E / X / O	Jamieson, Phil
[PRM] A single ED measurement is not sufficient to get a good impression of the energy on a channel. Also 7.5.2.1.1 lines 7 & 11.				
# 458	CI 07	SC Table 51	E / X / O	Jamieson, Phil
[PRM] Say how and where the scan ended - if Incomplete (because implementation specific no. of beacons that can be recorded was reac				
# 459	CI 07	SC 1.15.1.3	T / X / O	Jamieson, Phil
[PRM] Don't issue Beacon lost if can't find the beacon when searching - the .confirm will take care of it. Maybe add MLME-POLL.request/co				
# 460	CI 07	SC Table 64	E / X / O	Jamieson, Phil
[PRM] Split Source PAN ident & Source Address. Maybe change to "Addressing information" and describe. Also tables 67 and 69.				
# 461	CI 07	SC Table 89	E / X / O	Jamieson, Phil
[PRM] aAck Wait Duration - should be (32+preamble symbols+ (5*symbols / byte)).				
# 462	CI 07	SC Table 89	T / X / O	Jamieson, Phil
[PRM] Why only 16 ?				
# 463	CI 07	SC Table 89	E / X / O	Jamieson, Phil
[PRM] Add 'data to '... response to a data request frame.' Other frames will require MAC processing delay as well.				
# 464	CI 07	SC Table 89	E / X / O	Jamieson, Phil
[PRM] Add 'Octets' in the Value column.				
# 465	CI 07	SC 5.1.1	E / X / O	Jamieson, Phil
[PRM] Needs to be clarified what happens if the BO is 15.				
# 466	CI 07	SC 5.1.1	E / X / O	Jamieson, Phil
[PRM] delete 'if the co-ordinator is the PAN co-ordinator.				
# 467	CI 07	SC 5.1.2	E / X / O	Jamieson, Phil
[PRM] delete 'successive'. Reword something like "all transmissions shall be separated by at least an interframe period".				
# 468	CI 07	SC 5.1.3	E / X / O	Jamieson, Phil
[PRM] Line 2: Refer to quick reesponse mode (data following a data request that comes out in <32 symbols from the Ack). Lines 17-18: This				
# 469	CI 07	SC Table 31	E / X / O	Jamieson, Phil
[PRM] This is not the set of octets received by the MAC sublayer if the encryption suite had been applied.				
# 470	CI 07	SC 5.4.2	E / X / O	Jamieson, Phil
[PRM] This paragraph is unclear. Please clarify or remove. Line 51: Refers to 'PAN co-ordinator subfield of the Beacon Frame'. Table 64 do				
# 471	CI 07	SC 5.6.1	E / X / O	Jamieson, Phil
[PRM] One case is not explained. after '...unslotted CSMA-CA. if the beacon' add the case where it is found.				
# 472	CI 07	SC 5.8.4	T / X / O	Jamieson, Phil
[PRM] The reallocation algorithm may be difficult to implement.				
# 473	CI 07	SC 5.9	E / X / O	Jamieson, Phil
[PRM] Line 28: colloquial text - Change 'each device may ... is able to implement'. Line 40: Spelling - correct to 'address'. Line 40: Ambiguo				
# 474	CI 07	SC 5.9.1	E / X / O	Jamieson, Phil
[PRM] add text to clarify that the Ack frame will be sent to the transmitting device. Also on pg. 143, line 6.				
# 475	CI 07	SC 5.9.2	E / X / O	Jamieson, Phil
[PRM] colloquial text - reword 'depending on if'. Also line 47.				

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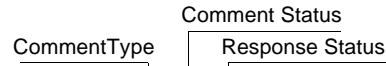
# 476	CI 07	SC 5.9.3.2	E / X / O	Jamieson, Phil
[PRM] Add text to explain what to 'process the frame properly' involves.				
# 477	CI 07	SC 5.9.3.2	E / X / O	Jamieson, Phil
[PRM] Incomplete - Add text to explain how it may be determined if the frame has no security or is in ACL mode.				
# 478	CI 07	SC 5.9.3.2	E / X / O	Jamieson, Phil
[PRM] Line 1: wording implies both long and short addresses will be present - change 'MAC ACL Address and \ to mac ACL address or Line				
# 479	CI 07	SC 5.9.3.4	E / X / O	Jamieson, Phil
[PRM] Line 1: language use wrong - reword to avoid using 'defines' in ' suite defines an integrity'. The suite calls for the operation not the co				
# 480	CI 07	SC 6.5.2	E / X / O	Jamieson, Phil
[PRM] Lines 8, 9 & 14: Imprecise - replace 'may' with 'shall'. Line 14: Delete 'able to'. Replace 'any of' with 'at least one of'.				
# 481	CI 05	SC 4.3	E / X / O	Jamieson, Phil
[CBM] it would add clarity to mention whether the return of an acknowledgement is included within the scope of a "transaction" [define this as				
# 482	CI 05	SC 4.3	E / X / O	Jamieson, Phil
[CBM] "to" deleted - "dedicate portions of the superframe to that "				
# 483	CI 05	SC 4.4.2	E / X / O	Jamieson, Phil
[CBM] Is the transaction complete when the acknowledgement is transmitted (in various places, e.g. page 16 line 5), when it is received (abo				
# 484	CI 05	SC 4.5.2	E / X / O	Jamieson, Phil
[CBM] Is "post fixed" a word? Or two? I haven't come across it before. 'Concluded', 'terminated'?				
# 485	CI 05	SC 4.6.1	E / X / O	Jamieson, Phil
[CBM] This is too compressed to be clear. A short descriptive paragraph about CSMA and when it is used, followed by a flow chart or a set				
# 486	CI 06	SC Table 1	E / X / O	Jamieson, Phil
[CBM] Capital K's in ksymbols/s. Also 6.6.2.4 pg. 44, line 46.				
# 487	CI 06	SC	E / X / O	Jamieson, Phil
[CBM] "This standard is intended to conform with established regulations". Care required here - the wording of this standard should make it				
# 488	CI 06	SC 1.1	E / X / O	Jamieson, Phil
[CBM] "as [may be] allocated by" suggestion, c.f. previous point, avoiding interpretation that you say they are allocated.				
# 489	CI 06	SC 2	E / X / O	Jamieson, Phil
[CBM] "In order to provide correct PHY a DME should be present..." is this a "shall" - is it optional? Be clear which. I don't like this paragra				
# 490	CI 06	SC 2.1.3.3	E / X / O	Jamieson, Phil
[CBM] Why is the effect on receipt unspecified? After all, line 3, it is issued to the MAC sublayer.				
# 491	CI 06	SC 2.2.1.3	T / X / O	Jamieson, Phil
[CBM] Should it be a requirement (sic) that the receiver is disabled following completion of a CCA instruction? Are there no occasions when				
# 492	CI 06	SC 3.1.4	E / X / O	Jamieson, Phil
[CBM] "from this point". Not clear what you mean by this phrase - can you just delete the words?				
# 493	CI 06	SC 6.3.2	E / X / O	Jamieson, Phil
[CBM] Does this apply only to operation in the 915MHz band, in order to avoid jamming of other systems? In which case explicitly say so (as				
# 494	CI 06	SC 7.2	T / X / O	Jamieson, Phil
[CBM] The receive-to-transmit turnaround time also can not be too fast, otherwise it will start transmitting before the receiver has had a chan				

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# 495	CI 06	SC 7.9	E / X / O	Jamieson, Phil
[CBM] This turnaround would be tidier as a separate sub spec point - I suggest we break up the section into parts dealing with the mode, sen				
# 496	CI 07	SC 6.5.3	E / X / O	Jamieson, Phil
[PRM] refers to all of 7.6 when ACL mode does not apply here.				
# 497	CI 07	SC 6.5.3	E / X / O	Jamieson, Phil
[PRM] ACL mode is not a secured mode.				
# 498	CI 07	SC 7.1	E / X / O	Jamieson, Phil
[PRM] clarify - replace with 'Each device shall support AESCCM64 and zero or more security suites'. replace 'may' with 'shall'.				
# 499	CI 07	SC 7.2	E / X / O	Jamieson, Phil
[PRM] Line 5: unclear - delete 'all' in 'all other security suites'. Line 19: colloquial - reword to avoid 'we'. Line 50: incomplete - add explanatio				
# 500	CI 07	SC 7.4.1.2	1 / X / O	Jamieson, Phil
[PAR] The length of the encrypted MAC payload is the same as it was prior to encryption. Is this practical with a block cipher? Will it not alw				
# 501	CI 07	SC 5.9.3.1	E / X / O	Jamieson, Phil
[PAR] In secured mode, are MAC Command frames rejected if they do not have the SEC bit set, and/or if they are not in the ACL? If not the				
# 502	CI 07	SC 5.9.3.3	1 / X / O	Jamieson, Phil
[PAR] The integrity code applies to the whole of the MAC header. The MAC header includes a sequence number. For indirect (pended) me				
# 503	CI 07	SC 1.1.1.1	1 / X / O	Jamieson, Phil
[PAJ] Do we really need to have the source address information here - can it not be assumed? This would simplify these primitives greatly.				
# 504	CI 07	SC 1.7.3.1	1 / X / O	Jamieson, Phil
[PAJ] Should the coordinator indicate this if a GTS is allocated? How else would it know that a GTS has been allocated to a particular devic				
# 505	CI 07	SC 1.11.2.1	1 / X / O	Jamieson, Phil
[PAJ] This primitive SCAN.confirm needs to return a list of channels not scanned (if an implementation specified limit is reached!) We could				
# 506	CI 07	SC 1.15.1.1	1 / X / O	Jamieson, Phil
[PAJ] The data request SYNC is not intuitive. Consider adding a separate primitive with a .confirm giving a status.				
# 507	CI 07	SC 3.1.3.1	1 / X / O	Jamieson, Phil
[PAJ] Where is the address of the coordinator stored? We need to add this to the PIB for both the short and extended address of the coordi				
# 508	CI 06	SC 6.2	E / X / O	Liang, Li
the definition of DME is not clear. From all the draft, it is hard to understand if the DME is the real separated layer, or the software layer.				
# 509	CI 06	SC	E / X / O	Liang, Li
As introduce the DME, there are some confusion on the PHY management service. For example, in 6.2.2.1.2. is the primitive (PLME-CCA)				
# 510	CI 06	SC 6.7.7	E / X / O	Liang, Li
In Sec, 6.7.7, the level number of ED is required to be 255. It would increase the difficult for implementation. At same time, no clear benefits				
# 511	CI 07	SC 7.6.4	E / X / O	Liang, Li
In Sec 7.6.4, the draft gives the definition of Sequential freshness. After that, the draft does not mention if the freshness is necessary for the				
# 512	CI 07	SC	TR / X / O	Razor, Gregg
As with my prior comment, the security implemented in TG4 is inadequate and ill defined. In my technical opinion, one of commensurate skil				
# 513	CI 06	SC	TR / X / O	Shellhammer, Steve
The standard does not sufficiently address the issue of wireless coexistence. I made this comment on Letter Ballot 13. Then the TG4 task gr				

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#	CI	SC	CommentType	Response Status	Comment
# 514	CI 05	SC 5.1	E / X / O		Hans van Leeuwen It states that 'a network shall include at least one FFD, operating as PAN coordinator'. Not true. Peer-to-peer networks don't have a PAN coo
# 515	CI 05	SC 5.4.3	E / X / O		Hans van Leeuwen Says 'superframe that application'.
# 516	CI 05	SC 5.4.4.2	E / X / O		Hans van Leeuwen Is there any such thing as a 'frame following flag' anymore?
# 517	CI 06	SC 6.6.2.1	E / X / O		Hans van Leeuwen The cross-reference to the Bit-to-chip subclause is missing.
# 518	CI 07	SC 7.1.1.1.3	E / X / O		Hans van Leeuwen Says 'aAckWaitDuration seconds'. However, this PIB attribute is now measured in symbols.
# 519	CI 07	SC 7.1.1.1.3	T / X / O		Hans van Leeuwen Is the coordinator the only device that accepts requests for indirect transmissions? Are non-coordinators the only devices that accept request
# 520	CI 07	SC 7.1.1.1.3	T / X / O		Hans van Leeuwen If the DME receives the MLME-SECURITY-ERROR.indication primitive, will the MAC still also generate a MCPS-DATA.confirm primitive in re
# 521	CI 07	SC 7.1.1.1.3	E / X / O		Hans van Leeuwen The function of the AddrOptions parameter is not defined. e.g. What state of the source addressing mode corresponds to 8-bit addresses an
# 522	CI 07	SC 7.1.1.2.1	T / X / O		Hans van Leeuwen This primitive now includes the DstPANId and DstAddr parameters. Presumably these have been added because, with indirect transmission
# 523	CI 07	SC 7.1.1.3.1	T / X / O		Hans van Leeuwen Why does this primitive return the DstPANId and DstAddr parameters? According to clause 7.5.6.2, a frame will be rejected if the destination
# 524	CI 07	SC 7.1.3.1.3	E / X / O		Hans van Leeuwen There is no 'supplied MSDU'.
# 525	CI 07	SC 7.1.3.3.3	E / X / O		Hans van Leeuwen There is no 'supplied MSDU'.
# 526	CI 07	SC 7.1.4.1.3	E / X / O		Hans van Leeuwen There is no 'supplied MSDU'.
# 527	CI 07	SC 7.1.7.1.3	E / X / O		Hans van Leeuwen There is no 'supplied MSDU'.
# 528	CI 07	SC 7.1.7.2.1	E / X / O		Hans van Leeuwen There is no such PIB attribute as 'aMaxSuperframeSlots'.
# 529	CI 07	SC 7.1.8.2.3	E / X / O		Hans van Leeuwen There is no 'supplied MSDU'.
# 530	CI 07	SC 7.1.9.1	T / X / O		Hans van Leeuwen Doesn't this MLME-RESET.request primitive also need to reset the PHY? For example, what if the receiver is on at the time when the MLME
# 531	CI 07	SC 7.1.10.1.3	T / X / O		Hans van Leeuwen The DeferTime parameter is now measured in symbol times. This is the only timing in the MAC where the resolution is less than 20 symbols.
# 532	CI 07	SC 7.1.11.1.1	E / X / O		Hans van Leeuwen It says '(aBaseSuperframeDuration * (2n+1)) seconds', but aBaseSuperframeDuration is now measured in symbols.

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			CommentType	Comment Status		
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# 533	CI 07	SC 7.1.11.2.1	1	X / O		Hans van Leeuwen
Why is the ScanType parameter need? Shouldn't the DME know what type of scan it initiated?						
# 534	CI 07	SC 7.1.13.1.1	1	X / O		Hans van Leeuwen
The purpose of this primitive is to request that a device start transmitting beacons. Can a device transmit beacons but NOT be a PAN coordi						
# 535	CI 07	SC 7.1.13.1.2	E	X / O		Hans van Leeuwen
It says '0<=SO<=14'.						
# 536	CI 07	SC 7.1.13.1.3	E	X / O		Hans van Leeuwen
There is no 'supplied MSDU'.						
# 537	CI 07	SC 7.2.2.1.2	E	X / O		Hans van Leeuwen
There are now only 16 superframe slots, so the talk of 22 is incorrect.						
# 538	CI 07	SC 7.3.1.1.2	E	X / O		Hans van Leeuwen
If the security suite is 'mandatory', then why is the security capability subfield required? Security cannot be mandatory AND optional.						
# 539	CI 07	SC 7.5.1.3	E	X / O		Hans van Leeuwen
It says 'reset CW to 1'.						