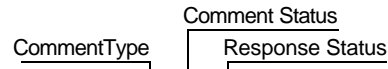


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#	CI	Comment	SC	Response Status	Comment Status
# 4	CI 00	Global EDIT	SC 00	E / X / O	Gifford, Ian
The term "868MHz/915MHz" in the following sentences "The physical layer may be implemented in one of three alternate frequency bands d					
# 9	CI 00	Global EDIT	SC 00	E / X / O	Gifford, Ian
The symbol for kilobit per second is kb/s, not kbps. The symbol for megabit per second is Mb/s, not Mbps. The first usage is "250kbps" in					
# 10	CI 00	Team EDIT	SC 00	E / X / O	Gifford, Ian
The use of shall/should/may/can/will/must throughout the document needs to be used in accordance with IEEE's style.					
# 11	CI 00	Picture EDIT	SC 00	E / X / O	Gifford, Ian
The use of Figure 1 brings up the question how will the 802.15 WG depict the 802 Family as they introduce a 2nd (and 3rd) MAC sublayer t					
# 15	CI 05	Global EDIT	SC Figure 1	E / D / O	Gifford, Ian
The Editor has introduced a second Figure 1 (the first is in FrontMatter) which should be Figure 2 in D13. There are multiple xref instances t					
# 17	CI 05	Global EDIT	SC 5.3.1	E / X / O	Gifford, Ian
The term "Section" in sentence "Section 6 contains the specifications for the PHY layer." is incorrect.					
# 19	CI 05	Global EDIT	SC 5.3.2	E / X / O	Gifford, Ian
The term "Section" in sentence "Section 7 contains the specifications for the MAC sublayer." is incorrect.					
# 20	CI 05	Global EDIT	SC 5.4	E / X / O	Gifford, Ian
The term "section" in sentence "This section provides a brief overview of..." is incorrect.					
# 21	CI 05	Global EDIT	SC 5.0	E / X / O	Gifford, Ian
The clause title "5. General Description" is incorrect.					
# 23	CI 06	Global EDIT	SC Table 2	E / X / O	Gifford, Ian
The xref format "(See 6.3.1.1 on Page 28)" is non standard.					
# 26	CI 07	Global EDIT	SC 7.1.2.5	E / X / O	Gifford, Ian
The xref format "(see Table 63 on Page 81)" is non standard.					
# 55	CI 07	MAC TECH	SC 7.1	1 / X / O	Bourgeois, Monique
What if a device receives a primitive that it does not understand? How is this handled?					
# 83	CI 03	Global EDIT	SC 3.10	E / X / O	Bourgeois, Monique
Missing punctuation. Add a period at the end for consistency.					
# 90	CI 06	Global EDIT	SC Table 1	E / X / O	Bourgeois, Monique
Change "Kbps" to lower case "kbps".					
# 101	CI 05	Clause 5 TECH	SC 5.4.5.1	1 / X / O	Bourgeois, Monique
This does not specify whether or not "another device currently transmitting on the channel" belongs to the same network as the device.					
# 105	CI 07	MAC TECH	SC Table 68	1 / X / O	Bourgeois, Monique
Some of the MAC PIB objects are not referenced anywhere in the draft.					
# 109	CI 07	MAC TECH	SC Table 64	1 / X / O	Bourgeois, Monique
This is the only mention of multicast/broadcast frames.					
# 111	CI 07	MAC TECH	SC 7.3	1 / X / O	Bourgeois, Monique
Do we really want to use CSMA for beacons, since they are responsible for synchronizing the network (what if GTS is supported)?					
# 112	CI 07	MAC TECH	SC 7.5.4.1	1 / X / O	Bourgeois, Monique
What happens if a network coordinator receives a GTS request while it has a previous request pending? How does it handle simultaneous					

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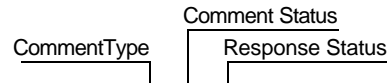
	CommentType	Response Status	Comment Status	Comment	Author
# 113	CI 07	MAC TECH	SC 7.5.2.2.1	1 / X / O	Bourgeois, Monique
Does a network coordinator change its macFrameOrder to 15 when it enters snooze mode?					
# 114	CI 07	MAC TECH	SC 7.5.2.1	1 / X / O	Bourgeois, Monique
What if two networks do somehow choose the same network ID? How would this conflict be resolved?					
# 115	CI 07	MAC TECH	SC Table 57	1 / X / O	Bourgeois, Monique
One bit for Address Type does not allow for future expansion of the protocol.					
# 126	CI 07	MAC TECH	SC 7.5.4	1 / X / O	Bourgeois, Monique
When does handshaking occur for GTS transmissions?					
# 133	CI 05	Picture EDIT	SC Figure 14	E / X / O	Bourgeois, Monique
Figure is unclear.					
# 161	CI 05	Global EDIT	SC 5.0	E / D / O	Carmeli, Boaz
up to 254... (or more)					
# 162	CI 05	Cluster-Tree Team	SC 5.2	TF / X / O	Carmeli, Boaz
Cluster-tree seems to be a topology of its own. It has different settings and behaviors described along many sections in this standard. It seems to be a peer-to-peer topology.					
# 165	CI 05	Cluster-Tree Team	SC 5.2.1.3	TF / X / O	Carmeli, Boaz
The description of the cluster tree topology is not clear. Can simple network node transmit a beacon? if so - is it a peer to peer communication?					
# 169	CI 05	MAC TECH	SC 5.4.3.2	TF / X / O	Carmeli, Boaz
Data request, or data poll from a network node to the network coordinator must receive an answer. Hence - we should allow the network coordinator to request data from a network node.					
# 172	CI 05	MAC TECH	SC 5.4.5.1	1 / X / O	Carmeli, Boaz
It is not clear from the standard what a device should do in case of failure to transmit a beacon when the channel is busy. Should it choose a different channel?					
# 188	CI 05	MAC TECH	SC 5.4.3.2	1 / X / O	Carmeli, Boaz
What happens to pending message at the network coordinator that is never requested by the relevant network node. Is there a time-to-live timer?					
# 194	CI 07	MAC EDIT	SC 7.1.1.3.2	1 / X / O	Carmeli, Boaz
What happens to packet with Destination Address not equal to the Destination Address of the receiving device (a 'not-for-me' packet). Which address should be used for the response?					
# 196	CI 07	MAC TECH	SC 7.2.2.4.2	1 / X / O	Carmeli, Boaz
What if there are more than 16 addresses pending? Are they transmitted in cyclic order?					
# 197	CI 00	MAC TECH	SC 00	1 / X / O	Carmeli, Boaz
Can we support another addresses convention in which the network id will be a single byte long, and the device address will be of two bytes?					
# 199	CI 06	Coexistence Team	SC 6.9	1 / X / O	Chen, Hung-Kun
The section of coexistence for 802.15.4 does not address all other IEEE devices using 2.4 GHz band, such as 802.15.1, 802.15.3. Also it does not address the coexistence with other IEEE devices using 2.4 GHz band.					
# 200	CI 04	Global EDIT	SC 00	E / X / O	Chen, Hung-Kun
Should add PD(-SAP), MD(-SAP), MA(-SAP) in the acronym section for completeness' sake					
# 205	CI 06	Coexistence Team	SC 6.9	TF / X / O	Chen, Kwang-Cheng
The section of coexistence for 802.15.4 does not address all other IEEE devices using 2.4 GHz band, such as 802.15.1, 802.15.3. Also it does not address the coexistence with other IEEE devices using 2.4 GHz band.					
# 207	CI 00	Global EDIT	SC 00	E / X / O	CYPHER, DAVID
Clause headings do not follow IEEE Style Guide.					
# 208	CI 00	Global EDIT	SC 00	E / X / O	CYPHER, DAVID
According to IEEE Style groups of text are referred to as a clause or subclause, not a section					

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Comment Status
 ┌───┴───┐
 CommentType | Response Status

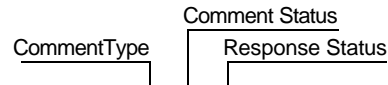
# 209	CI 00	Global EDIT	SC	E / X / O	CYPHER, DAVID
Proper naming convention					
# 210	CI 01	Global EDIT	SC 1.1	1 / X / O	CYPHER, DAVID
Scope does not match the scope in the PAR (00/248r4)					
# 211	CI 01	Global EDIT	SC 1.2	1 / X / O	CYPHER, DAVID
Purpose does not match purpose in PAR (00/248r4)					
# 214	CI 05	Global EDIT	SC	E / X / O	CYPHER, DAVID
Terminology					
# 217	CI 00	Team EDIT	SC	TF / X / O	CYPHER, DAVID
Use of the words, must and should, need to be used consistently and with the proper meanings (see IEEE Standards style manual clause 1:					
# 222	CI 05	Picture EDIT	SC Figure -14	E / X / O	CYPHER, DAVID
Figure not following IEEE standard style manual (see 16.1)					
# 225	CI 05	Picture EDIT	SC Figure 17 5.	1 / X / O	CYPHER, DAVID
Where is items a) and b)? Either items a) and b) are cropped off the top of the figure, or the items should be re-lettered starting at a), not c:					
# 242	CI 07	MAC TECH	SC 7.1.1.4.3	TF / X / O	CYPHER, DAVID
No action is described for the behavior when the status is DISCARD_PACKET, unless storing packet segments at a null memory address is					
# 246	CI 07	MAC TECH	SC 7.1.2.5.3	TF / X / O	CYPHER, DAVID
An inconsistency with the value of the GTSlengh description in table 38 of 7.1.2.6.1 and the text described here.					
# 259	CI A	Global EDIT	SC	TF / X / O	CYPHER, DAVID
If this draft is to be voted on to go to sponser ballot, then all clauses should have contents, or not be present. Placeholders should only be t					
# 260	CI B	Global EDIT	SC	TF / X / O	CYPHER, DAVID
If this draft is to be voted on to go to sponser ballot, then all clauses should have contents, or not be present. As this Annex is marked as r					
# 261	CI 07	MAC TECH	SC 7.5.2.1	TF / X / O	CYPHER, DAVID
Statement states that "a network coordinator shall ensure that any network coordinators ... are awake ..." and only gives an option on how					
# 263	CI 06	MAC TECH	SC 6.3.1.3.3	1 / X / O	CYPHER, DAVID
This clause states that, "The effect on receipt of this primitive by the MAC sublayer is unspecified." Is this statement made because there is					
# 274	CI 05	Cluster-Tree Team	SC 5.2	E / X / O	DuVal, Mary
Only 2 topologies mentioned, but 3 are discussed in the following sections.					
# 276	CI 00	Global EDIT	SC 00	E / X / O	Dydyk, Michael
No Annex A and B					
# 279	CI 00	Coexistence Team	SC 00	1 / X / O	Golmie, Nada
The current draft for TG4 does not address the issue of coexistence with other systems operating in the same band.					
# 306	CI 05	Clause 5 EDIT	SC 5.0	E / X / O	Gorday, Paul
The term ""Data Rate"" is unclear.					
# 316	CI 00	Team EDIT	SC ALL	TF / X / O	GUBBI, RAJUGOPAL
Atleast as for as the MAC portions are concerned, this document is at best a requirements document. This does not describe the mechanis					
# 317	CI 00	Team EDIT	SC ALL	TF / X / O	GUBBI, RAJUGOPAL
The list of features claimed in various parts of this draft and the requirements are very similar to those listed for 802.15.3. While 802.15.3 (L					

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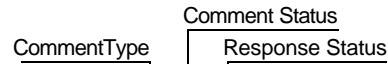
#	CI	05	MAC TECH	SC	2	TF / X / O	GUBBI, RAJUGOPAL
# 318	CI	00	Team EDIT	SC	ALL	TF / X / O	GUBBI, RAJUGOPAL
Interoperability: If this draft becomes a standard as it is, given that all the mechanisms are defined in an higher layer that is not even referen							
# 319	CI	05	MAC TECH	SC	2	TF / X / O	GUBBI, RAJUGOPAL
essentially this sentence claims the DEVs can obtain short addresses for operation in LR-WPAN. Nowhere in the draft the procedure requir							
# 320	CI	05	MAC TECH	SC	2	TF / X / O	GUBBI, RAJUGOPAL
The first sentence in second complete para in 5.2 claim that DEVs can talk to each other without NC. How do they detect each other? How i							
# 321	CI	05	MAC TECH	SC	2.1.1	TF / X / O	GUBBI, RAJUGOPAL
Sentence here claims that a network ID is chosen that is not currently in use by any other network within the radio range. How? What mect							
# 322	CI	05	MAC TECH	SC	2.1.1	TF / X / O	GUBBI, RAJUGOPAL
How is the network identifier obtained at a DEV? No where in this draft the mechanism needed for such a distribution nor the frame formats							
# 323	CI	05	MAC TECH	SC	2.1.1	TF / X / O	GUBBI, RAJUGOPAL
This sentence claims that task of joining a network occurs above the MAC layer. What does this mean in terms of frame format used and ur							
# 324	CI	05	MAC TECH	SC	2.1.2	TF / X / O	GUBBI, RAJUGOPAL
The use of word "although" implies that peer-peer network can operate with or without NC. But there is no description of such an operation							
# 325	CI	05	MAC TECH	SC	2.1.2	TF / X / O	GUBBI, RAJUGOPAL
This sentence claims that NC can be nominated. What if there are multiple DEVs with same network ID waking at the same time and startin							
# 326	CI	05	MAC TECH	SC	2.1.2	TF / X / O	GUBBI, RAJUGOPAL
This sentence claims that NC can be nominated. What if there are multiple DEVs with same network ID waking at the same time, starting sc							
# 327	CI	05	Cluster-Tree Team	SC	2.1.2	E / X / O	GUBBI, RAJUGOPAL
This sentence uses such things as "designated parent" and "child" nodes without first defining them.							
# 328	CI	05	Cluster-Tree Team	SC	2.1.2	TF / X / O	GUBBI, RAJUGOPAL
If in a cluster tree topology, the devices may only communicate with their designated parent and child nodes, how is the data forwarding c							
# 329	CI	05	Cluster-Tree Team	SC	2.1.3	TF / X / O	GUBBI, RAJUGOPAL
Can DDs using different network IDs form parts of the same cluster tree?							
# 330	CI	05	Cluster-Tree Team	SC	2.1.3	TF / X / O	GUBBI, RAJUGOPAL
This entire paragraph describes the DD nomination and cluster formation from a user/requirement point of view. But no where in the draft th							
# 331	CI	05	Cluster-Tree Team	SC	2.1.3	TF / X / O	GUBBI, RAJUGOPAL
What is this "predefined time period"							
# 332	CI	05	Cluster-Tree Team	SC	Figure 2	TF / X / O	GUBBI, RAJUGOPAL
This picture states that each cluster of the same tree being in different channels? Is that a requirement?							
# 333	CI	05	Cluster-Tree Team	SC	Figure 2	TF / X / O	GUBBI, RAJUGOPAL
This picture states that each cluster of the same tree being in different channels? if so, how is the DD in one channel know that a DEV/DD 1							
# 334	CI	05	Cluster-Tree Team	SC	Figure 2	TF / X / O	GUBBI, RAJUGOPAL
Assuming that a mechanism for DDs to syncup to complete a data transaction is defined, how is that a particular path from a originating DE							
# 335	CI	00	MAC TECH	SC	ALL	TF / X / O	GUBBI, RAJUGOPAL
This entire draft is vague about "network ID". In 5.2.1.3 and frame format in Table-61 (pp 79) imply that data can be communicated over diffe							
# 336	CI	05	Cluster-Tree Team	SC	2.1.3	TF / X / O	GUBBI, RAJUGOPAL
What happens when a DD wants to leave? How is the new one chosen and the information transferred to the new one? What happens if t							

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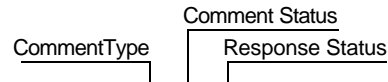
#	CI	Team	SC	CommentType	Response Status	Comment
# 337	CI 05	Cluster-Tree Team	SC 2.1.3	TF / X / O	GUBBI, RAJUGOPAL	What happens when a NC wants to leave? How is the new one chosen and the information transferred to the new one? What happens if t
# 338	CI 05	Cluster-Tree Team	SC 3	TF / X / O	GUBBI, RAJUGOPAL	Stating that the required mechanisms are in an higher layer and it is out of scope for this draft, does not help in realizing an implementation
# 339	CI 05	MAC TECH	SC 3.2	TF / X / O	GUBBI, RAJUGOPAL	The claim of "time slot maintenance" in the MAC is ambiguous. There are no mechanisms defined for GTS request, allocation and deallocati
# 340	CI 05	MAC TECH	SC 3.2	TF / X / O	GUBBI, RAJUGOPAL	The claim of "Guaranteed packet delivery" in the MAC is ambiguous. There is no recovery mechanism if the max retry has reached. Isn't it?
# 341	CI 05	MAC TECH	SC 3.2	TF / X / O	GUBBI, RAJUGOPAL	This claims list does not cover all that is claimed in clause 5. Where are others like power management, security, association/disassociation
# 342	CI 00	MAC EDIT	SC ALL	E / X / O	GUBBI, RAJUGOPAL	Use of "Handshake" instead of plain Ack. Why invent terms when implementors are already familiar with the same concept by a well-knowr
# 344	CI 00	MAC EDIT	SC ALL	E / X / O	GUBBI, RAJUGOPAL	Use of abbreviations and different terms for the same field or concept is rampant in the draft. for example (a) use of FSB in 7.5.7.3. what d
# 345	CI 00	MAC TECH	SC ALL	TF / X / O	GUBBI, RAJUGOPAL	Power management completely escapes the draft except the mention of its requirement in 5.4.1. For example there is absolutely nothing in t
# 346	CI 00	MAC TECH	SC ALL	TF / X / O	GUBBI, RAJUGOPAL	Security completely escapes the draft
# 347	CI 07	MAC TECH	SC 4	TF / X / O	GUBBI, RAJUGOPAL	Choose macBaseFrameDuration to be a power of 2. It eases the implementation of timers to be 'm' bit wide. Otherwise it depends on the 'm
# 348	CI 05	Cluster-Tree Team	SC 4.2	TF / X / O	GUBBI, RAJUGOPAL	If NCs chose the macFrameOrder, how is this made uniform in cluster-trees? how do DDs exchange this info across the clusters?
# 349	CI 05	Cluster-Tree Team	SC 2.1.3	TF / X / O	GUBBI, RAJUGOPAL	How do DDs propagate info from NCs beacon, if one is present? Do they send pseudo beacons? or they just don't care.
# 350	CI 05	Cluster-Tree Team	SC 2.1.3	TF / X / O	GUBBI, RAJUGOPAL	How do a DEV in a cluster-tree sync up for slotted CSMA/CA timings with other DEVs that are so far apart from itself but close enough to b
# 351	CI 05	MAC TECH	SC 4.3	TF / X / O	GUBBI, RAJUGOPAL	These lines are not clear enough. If beacon is needed for network connection purposes and if NC is currently not sending beacons becaus
# 352	CI 05	MAC TECH	SC 4.3.1	TF / X / O	GUBBI, RAJUGOPAL	These lines are not clear enough. if beacons are absent doesn't the clock drift at DEVs make the slotted CSMA/CA timings to get misaligned
# 353	CI 05	MAC TECH	SC 4.3.2	TF / X / O	GUBBI, RAJUGOPAL	how does a node request data (after periodically listening) pending at the NC? (same is true for lines 22:26 on page 18). There is no descrip
# 354	CI 05	MAC TECH	SC 4.3.3	TF / X / O	GUBBI, RAJUGOPAL	how do devices sync up to slotted CSMA/CA timings without beacon? Who distributes the short addresses in the absence of NC?
# 355	CI 05	MAC TECH	SC 4.3.3	TF / X / O	GUBBI, RAJUGOPAL	Can a DEV have multiple network-ID? if so, how does it choose to pick one for current peer-peer communication?
# 356	CI 05	MAC TECH	SC 4.3.3	TF / X / O	GUBBI, RAJUGOPAL	In peer-peer mode, how do devices discover each other?

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#	CI	05	MAC TECH	SC	4.4	TF / X / O	GUBBI, RAJUGOPAL
# 357	CI	05	MAC TECH	SC	4.4	TF / X / O	GUBBI, RAJUGOPAL
PHY-MAC layering is arbitrary? there are MAC types in PHY header!!							
# 358	CI	05	MAC TECH	SC	4.4	TF / X / O	GUBBI, RAJUGOPAL
There is no CRC in PHY header. If length is wrong, how does the DEV know where the packet end is?							
# 359	CI	05	MAC TECH	SC	4.4.3	TF / X / O	GUBBI, RAJUGOPAL
Why seq-num in handshake pkt repeated. There is no description as how to process this packet format at the recipient. If there is an error in							
# 360	CI	05	MAC TECH	SC	4.5.3	TF / X / O	GUBBI, RAJUGOPAL
If applications above the MAC decide message verification scheme for themselves, how is this imagined to be implemented uniformly in all p							
# 365	CI	06	Coexistence Team	SC	9	TF / X / O	GUBBI, RAJUGOPAL
I haven't seen any supporting evidence that the 802.15.4 devices will take less than 1% duty cycle? How was this derived? Please add jus							
# 366	CI	07	MAC TECH	SC		TF / X / O	GUBBI, RAJUGOPAL
"Handles and maintains the GTS mechanism" is an overstatement for the description present in the draft							
# 367	CI	07	MAC TECH	SC	1.1.1.1	TF / X / O	GUBBI, RAJUGOPAL
msduLength: The term MSDU is used for the chunk of bytes rxd from higher layer which is fragmented into packets by the MAC (clause 3 a							
# 368	CI	07	MAC TECH	SC	2.1	TF / X / O	GUBBI, RAJUGOPAL
Table 54/55: What is PCS? figures 11 and 12 used CRC in the same position.							
# 370	CI	07	MAC EDIT	SC	2.1.2	E / X / O	GUBBI, RAJUGOPAL
While this table is useful, it has to absolutely accompany text description of who uses which format. For example, a line "a non-NC DEV use							
# 371	CI	07	MAC TECH	SC	2.1.2	TF / X / O	GUBBI, RAJUGOPAL
In star network, when a DEV rx packet a forwarded packet from NC, how does it know who the original sender was? Or is the data frame							
# 372	CI	07	MAC TECH	SC	2.2.5.1	TF / X / O	GUBBI, RAJUGOPAL
Zone update requirement is mentioned, but not the mechanism needed to achieve it? similarly other componenets needed for power manag							
# 375	CI	07	MAC TECH	SC	5.1	TF / X / O	GUBBI, RAJUGOPAL
While clause-5 (especially the FRAME format in figure-5) claimed to have been using slotted CSMA/CA, there is no such mention of it in 7.5.							
# 376	CI	07	MAC TECH	SC	5.1.1	E / X / O	GUBBI, RAJUGOPAL
Since backoff scheme is already well understood in 802-wireless community, why not use the already familiar terms to define it? Why the							
# 377	CI	07	MAC TECH	SC	5.1.1	TF / X / O	GUBBI, RAJUGOPAL
Why is backoff counter decrementing irrespective of channel conditions? Measuring CCA for a small time unit (phy-slot) and decrementing t							
# 379	CI	07	MAC TECH	SC	5.1.1	TF / X / O	GUBBI, RAJUGOPAL
if the backoff timer is arbitrary, how does the next transmission supposed to sync up with the slotted CSMA/CA timings							
# 380	CI	07	MAC TECH	SC	5.1.1	TF / X / O	GUBBI, RAJUGOPAL
These lines seem to provide a means to higher layers using which they can indicate tx-immediate or abort a packet. since this retry-limit is a							
# 381	CI	07	MAC TECH	SC	5.2.1	TF / X / O	GUBBI, RAJUGOPAL
What does sending a data packet with broadcast network ID do to the snoozing NCs? It is not one of the stimulus listed in 7.5.2.2.1 anyway!							
# 382	CI	07	MAC TECH	SC	5.2.2.1	TF / X / O	GUBBI, RAJUGOPAL
if NC is snoozing how do non-NC-capable DEVs detect the presence of NC							
# 384	CI	07	MAC TECH	SC	5.2.2.1	TF / X / O	GUBBI, RAJUGOPAL
This means that the NC must be awake-enough to receive a packet, demodulate it, check CRC, decode the packet type. So what is remaini							

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# 385	CI 07	MAC TECH	SC 2.2.5.1	TF / X / O	GUBBI, RAJUGOPAL
It is not clear as where this zone specification (8-bits wide) is present in the packet format. It seems like each entry in the AddressList in a l					
# 386	CI 07	MAC TECH	SC 2.2.4	TF / X / O	GUBBI, RAJUGOPAL
Since AddressList is optional, it may not bepresent in beacons from an NC. then there is no way for a DEV to know its zone.					
# 387	CI 07	MAC TECH	SC 5.4	TF / X / O	GUBBI, RAJUGOPAL
this clause also assumes that there are no GTS-alloc/dealloc related transactions over the air initiated/terminated-at MAC. How do GTS re-a					
# 388	CI 07	MAC TECH	SC 5.5	TF / X / O	GUBBI, RAJUGOPAL
DCS: How does the NC know the channel condition at DEVs to decide to change the channel? How does it communicate the decision to the					
# 389	CI 07	MAC TECH	SC 5.5	TF / X / O	GUBBI, RAJUGOPAL
DCS: What is the timeout for DEVs to start searching for the missing NC? How does a DEV distinguish the conditoin among (a) bad chann					
# 390	CI 07	MAC TECH	SC 5.6	TF / X / O	GUBBI, RAJUGOPAL
How does the "macMAXHandshakeWaitDuration" work in GTS?					
# 391	CI 07	MAC TECH	SC 5.6.1	TF / X / O	GUBBI, RAJUGOPAL
This clause does an attempt to describe the ack-timeout procedure. If what is needed already exists in an understood format, especially wit					
# 392	CI 07	MAC TECH	SC 5.6.1	TF / X / O	GUBBI, RAJUGOPAL
When retries on a fragment (segment) is exhausted, all the remianing fragments of the same MSDU are thrown away, right?					
# 393	CI 07	MAC EDIT	SC 5.7.1	E / X / O	GUBBI, RAJUGOPAL
In 7.5.7.1, "packet segment Bit" is not a bit. it is "Packet segment specifier" according to table-57. But the same is correctly used in 7.5.7.2 !!					
# 395	CI 07	MAC TECH	SC 5.7.3	TF / X / O	GUBBI, RAJUGOPAL
How does this sequencing work in peer-peer scenario? Is the sequence number per link, that is a seperate counter for each pair of DEVs ir					
# 396	CI A	Global EDIT	SC	TF / X / O	GUBBI, RAJUGOPAL
With SDL I am sure one will be able to catch more issues than I have listed in this comments list. Without that I am not approving this doc.					
# 397	CI A	Global EDIT	SC	TF / X / O	GUBBI, RAJUGOPAL
PICS helps a lot in defining the boundaries of the level of implementation and also helps in interoperability issues					
# 409	CI 05	MAC TECH	SC 5.4.3.2	1 / X / O	Gutierrez, Jose
Section 5.4.3.2 (and figure 10) What happens w hen the NC is polled by a netw ork device and there is no data to send back. What is the a					
# 422	CI 06	MAC TECH	SC 6.3.1.1	1 / X / O	Gutierrez, Jose
What happens when a PD-Data.request is done with a MPDU whose length makes the overall phyPacketsize greater than the phyMaxPacke					
# 425	CI 06	Clause 5 EDIT	SC	E / X / O	Gutierrez, Jose
We should explain somewhere why we have the ED and CCA primitives (just a clarification).<CR><CR>This must be done in section 5					
# 431	CI 05	PHY TECH	SC	1 / X / O	Gutierrez, Jose
We need to add information related to the need of the sync burst packet. Nowhere in the whole document is mention the need of this functio					
# 435	CI 06	Coexistence Team	SC 6.9	1 / X / O	Gutierrez, Jose
Section 6.9 needs to be expanded. Not enough information					
# 436	CI 07	MAC TECH	SC Table 29	1 / X / O	Gutierrez, Jose
The parameter "DISCARD_PACKET" is not mentioned in the enumeration table. Under w hat circumstances the LLC w ould like to discard					
# 441	CI 07	MAC EDIT	SC 7.1.2.9.2	E / X / O	Gutierrez, Jose
Page 65: Section 7.1.2.9.2: The Zone concept is mentioned here but it has not been explained earlier. Recommend adding some text in					

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	Comment Type	Comment	Section	Comment Status		Author
				Response Status		
# 442	CI 07	MAC TECH	SC 7.1.2.10	1 / X / O		Gutierrez, Jose
Section 7.1.2.10: This paragraph needs to be reworded or some introductory text added in section 5. Make a reference for the non-existing						
# 444	CI 07	MAC TECH	SC Table 42	1 / X / O		Gutierrez, Jose
Page 67: Table 42: The valid range of this primitive should have a reference, the information supplied is not enough. We have a primiti						
# 448	CI 07	MAC EDIT	SC 7.1.2.19	E / X / O		Gutierrez, Jose
EXPAND! Make a reference. Should explain that only the NC does this!						
# 449	CI 07	MAC EDIT	SC Table 51	E / X / O		Gutierrez, Jose
Table 51: What is the meaning of "Invalid Value" (under what conditions this situation happens?)						
# 450	CI 07	MAC EDIT	SC 7.1.2.21	E / X / O		Gutierrez, Jose
Section 7.1.2.21: expand explanation of this primitive It would be nice if some introductory text were added in section 5 about the need for						
# 460	CI 07	MAC TECH	SC 7.2.2.5.1	1 / X / O		Gutierrez, Jose
How a device get a Zone assigned? Does the AddressList contain only a single byte when using zoning? How the Network layer control						
# 465	CI 07	MAC EDIT	SC Figure 26	E / X / O		Gutierrez, Jose
Fix step 4 on figure						
# 469	CI 07	MAC EDIT	SC 7.5.2	E / X / O		Gutierrez, Jose
Recommend to add a flow diagram for Sections 7.5.2.1 and 7.5.2.2						
# 471	CI 07	MAC EDIT	SC Figure 30	E / X / O		Gutierrez, Jose
Page 96: Figure 30: Change conditional block "has the timer expired?" to "handshake Timer Expired?"						
# 472	CI 07	MAC EDIT	SC Figure 30	E / X / O		Gutierrez, Jose
In this explanation the Sequence Number of a Packet can be further explained. It is not clear from previous explanations!						
# 473	CI 07	MAC EDIT	SC Figure 31	E / X / O		Gutierrez, Jose
Figure 31: Improve. Images are crop						
# 474	CI 07	MAC EDIT	SC Figure 32	E / X / O		Gutierrez, Jose
Figure 32: block (1) should say Packet?, What about using PIB terminology like: phyMaxPacketSize?. In addition, the title of the fi						
# 475	CI 07	MAC TECH	SC 7.5.7.3	1 / X / O		Gutierrez, Jose
The explanation of data sequencing is not clear. This whole section looks wrong. Check section 7.5.8 for Bit naming (FSB instead of PSB						
# 476	CI 07	MAC TECH	SC Figure 33	1 / X / O		Gutierrez, Jose
It is not clear how the "data indication" works after all the segments are received! How the upper layers recognize a complete reception of :						
# 479	CI 07	MAC TECH	SC	1 / X / O		Gutierrez, Jose
Need sequence diagrams showing some scenarios of operation of the cluster tree -> the Use of the MAC primitives specific for cluster tree						
# 480	CI 07	MAC TECH	SC	1 / X / O		Gutierrez, Jose
HOW A SHORT ADDRESS IS ALLOCATED?						
# 481	CI 07	MAC TECH	SC	1 / X / O		Gutierrez, Jose
HOW A ZONE IS ASSIGNED?						
# 482	CI 07	MAC TECH	SC Table 26	1 / X / O		Gutierrez, Jose
Table 26: In TxOptions: What is the meaning of "transmit in the current GTS"?						
# 483	CI 07	MAC TECH	SC 7.1.2.6	1 / X / O		Gutierrez, Jose
Page 63 and 64: The GTS Reallocation looks like garbage collection. I would like to eliminate this functionality and leave it for the upper l						

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	CommentType	Response Status	Comment Status
# 484 Why the upper layers have to do a confirmation of the GTS reallocation? Can we leave the reallocation for the upper layers?	CI 07 MAC TECH	SC 7.5.4.2	1 / X / O Gutierrez, Jose
# 485 What is the protocol for a NC to setup a GTS? How does a node request a GTS?	CI 07 MAC TECH	SC 7.5.4.1	1 / X / O Gutierrez, Jose
# 487 Figure 29 shows SuperFrame! change to Frame	CI 07 MAC EDIT	SC Figure 29	E / X / O Gutierrez, Jose
# 489 The first two items of this picture disappeared! ("a" and "b")	CI 05 Picture EDIT	SC 5.5 - Figure 7	E / X / O Gutierrez, Jose
# 494 Something a little odd has gone wrong with the Annex entries. The names of the clauses Annex A and B appear below the name of the Ar	CI 00 Global EDIT	SC Contents	E / X / O Jamieson, Phil
# 525 Now that there are two interfaces to the LLC and above, how does the system distinguish between the MD-SAP and MA-SAP interfaces?	CI 07 MAC TECH	SC 7.1.1	1 / X / O Jamieson, Phil
# 532 The DstAddr parameter is supposed to contain a list of addresses rather than just a single device address. The description of the "Beacon	CI 07 MAC TECH	SC Table 41	1 / X / O Jamieson, Phil
# 533 The descriptions of how the MLME-NODE-NOTIFY.indication and MLME-NODE-NOTIFY.request primitives are used is virually non existent.	CI 07 MAC TECH	SC 7.1.2.10/11	1 / X / O Jamieson, Phil
# 534 I'm not sure if this primitive is needed anymore. It was originally added to enable the reply mechanism in the MAC/LLC. As this is no longer	CI 07 MAC TECH	SC 7.1.2.12	1 / X / O Jamieson, Phil
# 535 The ChannelList parameter talks about a list of channels from the list of available PHY channels. How will this be done? Do we refer to the	CI 07 MAC TECH	SC Table 44	1 / X / O Jamieson, Phil
# 538 If the MLME-SCAN.confirm primitive will be used for cluster tree networks as well as for stars, the nwid field probably aught to be a Beacor	CI 07 MAC TECH	SC Table 46	1 / X / O Jamieson, Phil
# 540 Editorials - see remedy.	CI 07 MAC EDIT	SC 7.1.2.19	E / X / O Jamieson, Phil
# 541 The description of the MAC PPDU may need to be changed for clarity - the BEACON and HANDSHAKE packets contain their configuration	CI 07 MAC TECH	SC 7.2	1 / X / O Jamieson, Phil
# 542 The BEACON packet is defined as having an MSDU containing all the beacon information. This is better represented as a header and inclu	CI 07 MAC TECH	SC 7.2.1	1 / X / O Jamieson, Phil
# 545 The description may now need to change as a previous comment suggested having an MSDU only for the data packet.	CI 07 MAC TECH	SC 7.2.1.4	1 / X / O Jamieson, Phil
# 564 Editorials - see remedy. Paragraph 2, the synchronization "as described above" probably needs to be spelled out - synchronisation as defi	CI 07 MAC TECH	SC 7.5.2.4	1 / X / O Jamieson, Phil
# 566 Editorials - see remedy.	CI 07 MAC EDIT	SC 7.5.4.2	E / X / O Jamieson, Phil
# 567 Editorials - see remedy.	CI 07 MAC EDIT	SC 7.5.6	E / X / O Jamieson, Phil
# 569 It would be extremely useful to have a "packet following" feature in the protocol. This would be different from the rest in that for downlink t	CI 07 MAC TECH	SC	1 / X / O Jamieson, Phil

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# 570	CI 07	MAC TECH	SC	1 / X / O	Jamieson, Phil
We have done some analysis of timings in the system and have come to the conclusion that some transfers will require a good portion of time.					
# 571	CI 07	MAC TECH	SC	1 / X / O	Jamieson, Phil
Currently the MAC PIB entry macMaxPacketSize is defined to be phyMaxPacketSize - 26. This overhead (26) is computed from the worst case.					
# 572	CI 00	Global EDIT	SC	E / X / O	Jamieson, Phil
Some tables/figures are not referenced in the text.					
# 573	CI 06	MAC TECH	SC 6.7	1 / X / O	Jamieson, Phil
Text needed in this section.					
# 574	CI 00	Global EDIT	SC	E / X / O	Jamieson, Phil
There are a lot of period (.) characters missing in the text, especially in tables and bullet points.					
# 575	CI 00	MAC TECH	SC	1 / X / O	Jamieson, Phil
Should we really be referring to "point-point" rather than "peer-peer" network topologies throughout?					
# 578	CI 00	Global EDIT	SC	TF / X / O	Kinney, Patrick
The key to a standard is interoperability. Interoperability requires unambiguous terminology and typically includes SDL.					
# 585	CI 06	Coexistence Team	SC 9.2	1 / X / O	Kinney, Patrick
The following verbage isn't strong enough: The 802.15.4 devices have several characteristics that improves its coexistence with other wireless devices.					
# 588	CI 07	MAC TECH	SC 1.2.7	TF / X / O	Kinney, Patrick
The reallocation of GTSs is a good idea but I cannot understand how the mechanism's stated in this section will work. Specifically how will the mechanism work?					
# 589	CI 07	MAC TECH	SC 5.2.2.1	TF / X / O	Kinney, Patrick
coordinator snoozing does not achieve any desirable quality that I can think of, typically it's used to save power but this implementation requires a coordinator that can snooze.					
# 590	CI 07	MAC TECH	SC 2.2.5.1	TF / X / O	Kinney, Patrick
Zones Specification is not well described. How is a zone assigned? how is it optimized for battery or other?					
# 591	CI 07	MAC TECH	SC 5.2.2	TF / X / O	Kinney, Patrick
I did not find any description of the mechanism for resolving duplicate network id's. I understand the network search but it may not find a network.					
# 592	CI 07	MAC TECH	SC 5.5	TF / X / O	Kinney, Patrick
Dynamic Channel Selection is a good feature (very good for coexistence) but is not described in detail					
# 593	CI 07	MAC TECH	SC 5.2.3	TF / X / O	Kinney, Patrick
In Network Synchronization, there really is no description of the procedure to attach and join a network. Specifically I believe that logical address is not needed.					
# 594	CI 07	MAC TECH	SC 5.2.3	TF / X / O	Kinney, Patrick
In Network Synchronization, there really is no description of the procedure to attach and join a network. Specifically, how is authorization and authentication handled?					
# 597	CI 06	Coexistence Team	SC 6.9	TF / X / O	Liu, Shawn
The section of coexistence for 802.15.4 does not address all other IEEE devices using 2.4 GHz band, such as 802.15.1, 802.15.3. Also it does not address the need for a coordinator.					
# 600	CI 06	Coexistence Team	SC 6.9	TF / X / O	Maa, Yeong-Chang
The section of coexistence for 802.15.4 does not address all other IEEE devices using 2.4 GHz band, such as 802.15.1, 802.15.3. Also it does not address the need for a coordinator.					
# 601	CI 00	Team EDIT	SC 00	1 / X / O	Maa, Yeong-Chang
Is GTS/CFP really needed for the LR-WPAN?					
# 608	CI A	Global EDIT	SC 00	TF / X / O	McInnis, Michael D.
Annex A Specification and Description Language (SDL) was not provided for voter comment and review.					

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# 609	CI B	<i>Global EDIT</i>	SC 00	TF / X / O	McInnis, Michael D.
Annex B Protocol Implementation Conformance Statement was not provided for voter comment and review.					
# 611	CI 00	<i>MAC TECH</i>	SC	TF / X / O	Rasor, Gregg
It is my strong feeling that the TG4 MAC must and shall support at least an optional form of authentication so the network that is formed co					
# 617	CI 00	<i>Coexistence Team</i>	SC	TF / X / O	Shellhammer, Steve
The standard does not sufficiently address the issue of wireless coexistence.					
# 621	CI 06	<i>Global EDIT</i>	SC Table 4	E / X / O	Shepherd, Nick
Table 4 split over 2 pages					
# 644	CI 07	<i>MAC TECH</i>	SC 5.4.1	1 / X / O	Shepherd, Nick
This explanation of allocating a GTS is not complete. Is it possible to allocate the complete frame to GTSs, leaving no contention period? Sh					
# 645	CI 07	<i>MAC EDIT</i>	SC Figure 29	E / X / O	Shepherd, Nick
Another occurrence of "Super-frame"					
# 646	CI 07	<i>MAC TECH</i>	SC 5.5	1 / X / O	Shepherd, Nick
This clause specifies that a clear channel is detected by use of the MLME-ED Energy Detection method, in conflict with clause 6.8.10					
# 648	CI 07	<i>Picture EDIT</i>	SC Figure 33	E / X / O	Shepherd, Nick
Figure 53 is in the wrong clause					
# 650	CI A	<i>Global EDIT</i>	SC 1	1 / X / O	Shepherd, Nick
Empty Annex.					
# 651	CI B	<i>Global EDIT</i>	SC	1 / X / O	Shepherd, Nick
No conformance statement					
# 657	CI C	<i>Global EDIT</i>	SC Table 71	E / X / O	Shepherd, Nick
Table 71 is split over two pages					
# 658	CI C	<i>Global EDIT</i>	SC 5	E / X / O	Shepherd, Nick
the "-" has become disconnected to its "36"					
# 660	CI 00	<i>Global EDIT</i>	SC	E / X / O	Kinney, Pat
SPECIALLY ADDED COMMENT:<CR><CR>It has come to my attention that what TG4 calls a "packet" 802.11 calls a<CR>frame. This will					