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# 55	**Cl** 07	*MAC TECH*	**SC** 7.1	**T / X / O**	Bourgeois, Monique
What if a device receives a primitive that it does not understand? How is this handled?					
# 105	**Cl** 07	*MAC TECH*	**SC** Table 68	**T / X / O**	Bourgeois, Monique
Some of the MAC PIB objects are not referenced anywhere in the draft.					
# 109	**Cl** 07	*MAC TECH*	**SC** Table 64	**T / X / O**	Bourgeois, Monique
This is the only mention of multicast/broadcast frames.					
# 111	**Cl** 07	*MAC TECH*	**SC** 7.3	**T / 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)?					
# 113	**Cl** 07	*MAC TECH*	**SC** 7.5.2.2.1	**T / X / O**	Bourgeois, Monique
Does a network coordinator change its macFrameOrder to 15 when it enters snooze mode?					
# 114	**Cl** 07	*MAC TECH*	**SC** 7.5.2.1	**T / X / O**	Bourgeois, Monique
What if two networks do somehow choose the same network ID? How would this conflict be resolved?					
# 162	**Cl** 05	*Cluster-Tree Team*	**SC** 5.2	**TR / 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 see					
# 165	**Cl** 05	*Cluster-Tree Team*	**SC** 5.2.1.3	**TR / 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 communicatio					
# 169	**Cl** 05	*MAC TECH*	**SC** 5.4.3.2	**TR / X / O**	Carmeli, Boaz
Data request, or data poll from a network node to the network coordinator must receiver an answer. Hance - we should allow the network					
# 172	**Cl** 05	*MAC TECH*	**SC** 5.4.5.1	**T / X / O**	Carmeli, Boaz
It is not clear from the standard what a device should do in case of failer to transnit a beacom when the channel is busy. Should it choose a					
# 188	**Cl** 05	*MAC TECH*	**SC** 5.4.3.2	**T / X / O**	Carmeli, Boaz
What happen to pending message at the network coordinator that is never requested by the relevent network node. Is there a time-to-live tir					
# 242	**Cl** 07	*MAC TECH*	**SC** 7.1.1.4.3	**TR / 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					
# 263	**Cl** 06	*MAC TECH*	**SC** 6.3.1.3.3	**T / 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					
# 316	**Cl** 00	*Team EDIT*	**SC** ALL	**TR / 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	**Cl** 00	*Team EDIT*	**SC** ALL	**TR / 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					
# 318	**Cl** 00	*Team EDIT*	**SC** ALL	**TR / 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					
# 320	**Cl** 05	*MAC TECH*	**SC** 2	**TR / 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	**Cl** 05	*MAC TECH*	**SC** 2.1.1	**TR / 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 mech					
# 327	**Cl** 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 **Cl** 05 *Cluster-Tree Team* **SC** 2.1.2 **TR / X / O** GUBBI, RAJUGOPAL

If in a cluster tree topology, the devices may only communicate with theire designated parent and child nodes, how is the data forwarding

329 **Cl** 05 *Cluster-Tree Team* **SC** 2.1.3 **TR / X / O** GUBBI, RAJUGOPAL

Can DDs using different network IDs form parts of the same cluster tree?

330 **Cl** 05 *Cluster-Tree Team* **SC** 2.1.3 **TR / 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 **Cl** 05 *Cluster-Tree Team* **SC** 2.1.3 **TR / X / O** GUBBI, RAJUGOPAL

What is this "predefined time period"

334 **Cl** 05 *Cluster-Tree Team* **SC** Figure 2 **TR / 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

336 **Cl** 05 *Cluster-Tree Team* **SC** 2.1.3 **TR / 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

337 **Cl** 05 *Cluster-Tree Team* **SC** 2.1.3 **TR / 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 **Cl** 05 *Cluster-Tree Team* **SC** 3 **TR / X / O** GUBBI, RAJUGOPAL

Stating that the required mechansisms are in an higher layer and it is out of scope for this draft, does not help in realizing an implementation

340 **Cl** 05 *MAC TECH* **SC** 3.2 **TR / X / O** GUBBI, RAJUGOPAL

The claim of "Guaranteed packet delivery" in the MAC is ambiguous. There is no receovery mechanism if the max retry has reached. Isn't it?

344 **Cl** 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 **Cl** 00 *MAC TECH* **SC** ALL **TR / 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 **Cl** 00 *MAC TECH* **SC** ALL **TR / X / O** GUBBI, RAJUGOPAL

Security completely escapes the draft

347 **Cl** 07 *MAC TECH* **SC** 4 **TR / 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 **Cl** 05 *Cluster-Tree Team* **SC** 4.2 **TR / 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 **Cl** 05 *Cluster-Tree Team* **SC** 2.1.3 **TR / 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 **Cl** 05 *Cluster-Tree Team* **SC** 2.1.3 **TR / 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 **Cl** 05 *MAC TECH* **SC** 4.3 **TR / 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 **Cl** 05 *MAC TECH* **SC** 4.3.1 **TR / 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

354 **Cl** 05 *MAC TECH* **SC** 4.3.3 **TR / 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?

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355 **Cl** 05 *MAC TECH* **SC** 4.3.3 **TR / 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 **Cl** 05 *MAC TECH* **SC** 4.3.3 **TR / X / O** GUBBI, RAJUGOPAL
In peer-peer mode, how do devices discover each other?

357 **Cl** 05 *MAC TECH* **SC** 4.4 **TR / X / O** GUBBI, RAJUGOPAL
PHY-MAC layering is arbitrary? there are MAC types in PHY header!!

358 **Cl** 05 *MAC TECH* **SC** 4.4 **TR / X / O** GUBBI, RAJUGOPAL
Thre is no CRC in PHY header. If length is wrong, how does the DEV know where the packet end is?

367 **Cl** 07 *MAC TECH* **SC** 1.1.1.1 **TR / 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 **Cl** 07 *MAC TECH* **SC** 2.1 **TR / X / O** GUBBI, RAJUGOPAL
Table 54/55: What is PCS? figures 11 and 12 used CRC in the same position.

375 **Cl** 07 *MAC TECH* **SC** 5.1 **TR / 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 **Cl** 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 **Cl** 07 *MAC TECH* **SC** 5.1.1 **TR / X / O** GUBBI, RAJUGOPAL
Why is backoff counter decrementing irrespective of channel conditions? Measuring CCA for a small time unit (phy-slot) and decrementing

379 **Cl** 07 *MAC TECH* **SC** 5.1.1 **TR / 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 **Cl** 07 *MAC TECH* **SC** 5.1.1 **TR / 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 **Cl** 07 *MAC TECH* **SC** 5.2.1 **TR / 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 **Cl** 07 *MAC TECH* **SC** 5.2.2.1 **TR / X / O** GUBBI, RAJUGOPAL
if NC is snoozing how do non-NC-capable DEVs detect the presence of NC

384 **Cl** 07 *MAC TECH* **SC** 5.2.2.1 **TR / 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

391 **Cl** 07 *MAC TECH* **SC** 5.6.1 **TR / 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 **Cl** 07 *MAC TECH* **SC** 5.6.1 **TR / X / O** GUBBI, RAJUGOPAL
When retries on a fragment (segment) is exhausted, all the remianing fragments of the same MSDU are thrown away, right?

395 **Cl** 07 *MAC TECH* **SC** 5.7.3 **TR / 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 i

409 **Cl** 05 *MAC TECH* **SC** 5.4.3.2 **T / 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 **Cl** 06 *MAC TECH* **SC** 6.3.1.1 **T / 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

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425 **Cl** 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 **Cl** 05 *PHY TECH* **SC** **T / 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

436 **Cl** 07 *MAC TECH* **SC** Table 29 **T / 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

448 **Cl** 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 **Cl** 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 **Cl** 07 *MAC EDIT* **SC** 7.1.2.21 **E / X / O** Gutierrez, Jose

Section 7.1.2.21: expand explanation of this primitive It w ould be nice if some introductory text w ere added in section 5 about the need for

469 **Cl** 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

472 **Cl** 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!

475 **Cl** 07 *MAC TECH* **SC** 7.5.7.3 **T / X / O** Gutierrez, Jose

The explanation of data sequencing is not clear. This w hole section looks w rong. Check section 7.5.8 for Bit naming (FSB instead of PSB

535 **Cl** 07 *MAC TECH* **SC** Table 44 **T / X / O** Jamieson, Phil

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

538 **Cl** 07 *MAC TECH* **SC** Table 46 **T / X / O** Jamieson, Phil

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

564 **Cl** 07 *MAC TECH* **SC** 7.5.2.4 **T / X / O** Jamieson, Phil

Editorials - see remedy. Paragraph 2, the synchronization "as described above" probably needs to be spelled out - synchronisation as defi

573 **Cl** 06 *MAC TECH* **SC** 6.7 **T / X / O** Jamieson, Phil

Text needed in this section.

575 **Cl** 00 *MAC TECH* **SC** **T / X / O** Jamieson, Phil

Should we really be refering to "point-point" rather than "peer-peer" network topologies throughout?

589 **Cl** 07 *MAC TECH* **SC** 5.2.2.1 **TR / X / O** Kinney, Patrick

coordinator snoozing does not achieve any desireable quality that I can think of, typically it's used to save power but this implementation rec

591 **Cl** 07 *MAC TECH* **SC** 5.2.2 **TR / 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 ne

646 **Cl** 07 *MAC TECH* **SC** 5.5 **T / 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 **Cl** 07 *Picture EDIT* **SC** Figure 33 **E / X / O** Shepherd, Nick

Figure 53 is in the wrong clause

660 **Cl** 00 *Global EDIT* **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