 # 55   **T / X / O**   Bourgeois, Monique
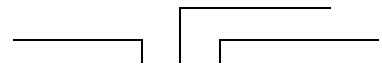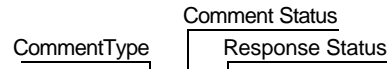
What if a device receives a primitive that it does not understand? How is this handled?

 # 101   **CI** 05   *Clause 5 TECH*   **SC** 5.4.5.1   **T / 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   **T / 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   **T / X / O**   Bourgeois, Monique

This is the only mention of multicast/broadcast frames.

 # 111   **CI** 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)?

 # 112   **CI** 07   *MAC TECH*   **SC** 7.5.4.1   **T / 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

 # 113   **CI** 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   **CI** 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?

 # 115   **CI** 07   *MAC TECH*   **SC** Table 57   **T / 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   **T / 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.

 # 162   **CI** 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   **CI** 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   **CI** 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   **CI** 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   **CI** 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 ti

 # 194   **CI** 07   *MAC EDIT*   **SC** 7.1.1.3.2 **T / X / O**   Carmeli, Boaz

What happen to packet with Destantion Address not equal to the Destanation Address of the receiving device (a 'not-for-me' packet). Whicl

 # 196   **CI** 07   *MAC TECH*   **SC** 7.2.2.4.2 **T / X / O**   Carmeli, Boaz

What if there are more then 16 addresses pending? Are they transmitted in cyclic order?

 # 197   **CI** 00   *MAC TECH*   **SC** 00   **T / 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 by

Comment Type: TR/technical required T/technical E/editorial
Comment Status: X/received D/dispatched for consideration A/accepted R/rejected
Response Status: O/open W/written C/closed U/unsatisfied Z/withdrawn   Page 1 of 8

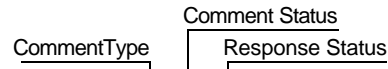Comment Status

CommentType | Response Status

| # 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 on

| # 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 on

| # 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)

| # 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 GTSlength description in table 38 of 7.1.2.6.1 and the text described here.

| # 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.

| # 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 | / | Gorday, Paul |

The term ""Data Rate"" is unclear.

| # 316 | | | | TF / X / O | |

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

| # 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 sentance 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 mech

| # 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 un
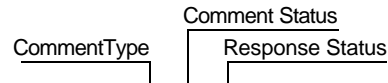
Comment Status

CommentType   Response Status

 # 324   **CI** 05   *MAC TECH*   **SC** 2.1.2   **TR / 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   **TR / 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   **TR / 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   **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 o

 # 329   **CI** 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   **CI** 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   **CI** 05   *Cluster-Tree Team*   **SC** 2.1.3   **/**   GUBBI, RAJUGOPAL

What is this "predefined time period"

 # 332   *Cluster-Tree Team*   **TR / X / O**

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   **TR / 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 t

 # 334   **CI** 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

 # 335   **CI** 00   *MAC TECH*   **SC** ALL   **TR / 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   **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   **CI** 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   **CI** 05   *Cluster-Tree Team*   **SC** 3   **TR / X / O**   GUBBI, RAJUGOPAL

Stating that the required mechansims 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   **TR / 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   **TR / X / O**   GUBBI, RAJUGOPAL

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

 # 341   **CI** 05   *MAC TECH*   **SC** 3.2   **TR / 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-know

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 # 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 do

 # 345   **CI** 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   **CI** 00   *MAC TECH*   **SC** ALL   **/**   GUBBI, RAJUGOPAL

Security completely escapes the draft

 # 347   **TR / X / O**

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   **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   **CI** 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   **CI** 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   **CI** 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   **CI** 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

 # 353   **CI** 05   *MAC TECH*   **SC** 4.3.2   **TR / 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   **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?

 # 355   **CI** 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   **CI** 05   *MAC TECH*   **SC** 4.3.3   **TR / X / O**   GUBBI, RAJUGOPAL

In peer-peer mode, how do devices discover each other?

 # 357   **CI** 05   *MAC TECH*   **SC** 4.4   **TR / X / O**   GUBBI, RAJUGOPAL

PHY-MAC layering is arbitrary? there are MAC types in PHY header!!

 # 358   **CI** 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?

 # 359   **CI** 05   *MAC TECH*   **SC** 4.4.3   **TR / 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 ir

 # 360   **CI** 05   *MAC TECH*   **SC** 4.5.3   **TR / 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   **TR / 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**   **TR / X / O**   GUBBI, RAJUGOPAL

"Handles and maintains the GTS mechanism" is an overstatement for the description present in the draft

Comment Type: TR/technical required T/technical E/editorial
Comment Status: X/received D/dispatched for consideration A/accepted R/rejected
Response Status: O/open W/written C/closed U/unsatisfied Z/withdrawn   Page 4 of 8

Comment Status

CommentType   Response Status

 # 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

 # 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 h

 # 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

 # 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 conditoins 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 remaining 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 !!

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 # 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 in

 # 409   **CI** 05   *MAC TECH*   **SC** 5.4.3.2   **T / X / O**   Gutierrez, Jose

Section 5.4.3.2 (and figure 10)   What happens when the NC is polled by a network device and there is no data to send back. What is the a

 # 422   **CI** 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

 # 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**   **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

 # 435   **CI** 06   *Coexistence Team*   **SC** 6.9   **T / X / O**   Gutierrez, Jose

Section 6.9 needs to be expanded. Not enough information

 # 436   **CI** 07   *MAC TECH*   **SC** Table 29   **T / X / O**   Gutierrez, Jose

The parameter "DISCARD_PACKET" is not mentioned in the enumeration table.   Under what circumstances the LLC would like to discard

 # 442   **CI** 07   *MAC TECH*   **SC** 7.1.2.10   **T / 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   **T / 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

 # 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

 # 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!

 # 475   **CI** 07   *MAC TECH*   **SC** 7.5.7.3   **T / 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   **T / 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 a

 # 479   **CI** 07   *MAC TECH*   **SC**   **T / 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**   **/**   Gutierrez, Jose

HOW A SHORT ADDRESS IS ALLOCATED?

 # 482   **T / X / O**

Table 26: In TxOptions: What is the meaning of "transmit in the current GTS"?

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Response Status

 # 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 w ould like to eliminate this functionality and leave it for the upper l

 # 484   **CI** 07   *MAC TECH*   **SC** 7.5.4.2   **1 / X / O**   Gutierrez, Jose

Why the upper layers have to do a confirmation of the GTS reallocation?   Can w e leave the reallocation for the upper layers?

 # 485   **CI** 07   *MAC TECH*   **SC** 7.5.4.1   **1 / X / O**   Gutierrez, Jose

What is the protocol for a NC to setup a GTS? How does a node request a GTS?

 # 525   **CI** 07   *MAC TECH*   **SC** 7.1.1   **1 / X / O**   Jamieson, Phil

Now that there are two interfaces to the LLC and above, how does the system distinguish between the MD-SAP and MA-SAP interfaces?

 # 532   **CI** 07   *MAC TECH*   **SC** Table 41   **1 / X / O**   Jamieson, Phil

The DstAddr parameter is supposed to contain a list of addresses rather than just a single device address.<CR><CR>The description of the

 # 533   **CI** 07   *MAC TECH*   **SC** 7.1.2.10/11   **1 / X / O**   Jamieson, Phil

The descriptions of how the MLME-NODE-NOTIFY.indication and MLME-NODE-NOTIFY.request primitives are used is virually non existent.

 # 534   **CI** 07   *MAC TECH*   **SC** 7.1.2.12   **1 / X / O**   Jamieson, Phil

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

 # 535   **CI** 07   *MAC TECH*   **SC** Table 44   **1 / 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   **CI** 07   *MAC TECH*   **SC** Table 46   **1 / 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

 # 540   **CI** 07   *MAC EDIT*   **SC** 7.1.2.19   **E / X / O**   Jamieson, Phil

Editorials - see remedy.

 # 541   **CI** 07   *MAC TECH*   **SC** 7.2   **1 / X / O**   Jamieson, Phil

The description of the MAC PPDU may need to be changed for clarity - the BEACON and HANDSHAKE packets contain their configuration

 # 542   **CI** 07   *MAC TECH*   **SC** 7.2.1   **1 / X / O**   Jamieson, Phil

The BEACON packet is defined as having an MSDU containing all the beacon information. This is better represented as a header and inclu

 # 545   **CI** 07   *MAC TECH*   **SC** 7.2.1.4   **1 / X / O**   Jamieson, Phil

The description may now need to change as a previous comment suggested having an MSDU only for the data packet.

 # 564   **CI** 07   *MAC TECH*   **SC** 7.5.2.4   **1 / X / O**   Jamieson, Phil

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

 # 569   **CI** 07   *MAC TECH*   **SC**   **1 / X / O**   Jamieson, Phil

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 ti

 # 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 tir

 # 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 c

 # 573   **CI** 06   *MAC TECH*   **SC** 6.7   **1 / X / O**   Jamieson, Phil

Text needed in this section.

 # 575   **CI** 00   *MAC TECH*   **SC**   **1 / X / O**   Jamieson, Phil

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

Comment Type: TR/technical required T/technical E/editorial
Comment Status: X/received D/dispatched for consideration A/accepted R/rejected
Response Status: O/open W/written C/closed U/unsatisfied Z/withdrawn   Page 7 of 8

Comment Status

CommentType | Response Status

| **# 585** | **CI** 06 | *Coexistence Team* | **SC** 9.2 | **T / 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 wi

| **# 588** | **CI** 07 | *MAC TECH* | **SC** 1.2.7 | **TR / 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

| **# 589** | **CI** 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 req

| **# 591** | **CI** 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

| **# 592** | **CI** 07 | *MAC TECH* | **SC** 5.5 | **TR / 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 | **TR / 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 ad

| **# 594** | **CI** 07 | *MAC TECH* | **SC** 5.2.3 | **TR / 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 c

| **# 596** | **CI** 06 | *Coexistence Team* | **SC** 00 | **TR / A / O** | Lansford, Jim |

This specification describes a physical layer that, at the RF interface, is not interoperable, and does not coexist with other IEEE adopted or p

| **# 597** | **CI** 06 | *Coexistence Team* | **SC** 6.9 | **TR / 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 on

| **# 600** | **CI** 06 | *Coexistence Team* | **SC** 6.9 | **TR / 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 on

| **# 611** | **CI** 00 | *MAC TECH* | **SC** | **TR / 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 netweork that is formed co

| **# 617** | **CI** 00 | *Coexistence Team* | **SC** | **TR / X / O** | Shellhammer, Steve |

The standard does not sufficiently address the issue of wireless coexistence.

| **# 644** | **CI** 07 | *MAC TECH* | **SC** 5.4.1 | **T / 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

| **# 646** | **CI** 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** | **CI** 07 | *Picture EDIT* | **SC** Figure 33 | **/** | Shepherd, Nick |

Figure 53 is in the wrong clause

| **# 660** | | | | **E / X / O** | |

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

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