* The security related changes currently under “6.3.2.3.8 REG-RSP (registration response) message” seem to rather belong under “6.3.2.3.9 Privacy key management (PKM) messages (PKM-REQ/PKM-RSP)” (agreed)
* Suggest rewording “instantaneous allocation” for instance to “temporary allocation” to better refer to the limited timeframe of the allocations. (agree to change to just “allocation” )
* Section 6.3.37.1.4 –
  + Line 2 – IEEE should be uppercase
  + Line 11 – Consider changing ‘self-interference’ to ‘intrasystem interference’ here and elsewhere in the text to match verbiage used in the base standard. (Agreed)
* Section 6.3.37.2.1 –
  + Line 23 – Instead of ‘Given below’, consider adding direct references to the figures. (Agreed)
* Section 6.3.37.3.4.2 –
  + Consider referring to Figure 6-221 with a figure reference instead of ‘The figure above’ (N/A in D0.9)
  + Figure 6-221 should have “zoom-in indicators” making it easier to understand the lower horizontal view is a close-up of the upper one for frames 5 to 12. (Agreed)
* Section 6.3.37.4.3 – Allocation control message description is missing. The table definition of the message could be moved to be under this section. (already covered in Vishals comments)
* Section 6.3.37.5 –
  + Line 9 – Consider giving direct figure reference to Figure 6-224 instead of “The figure below” (Agreed)
* Table 6-328 – Table header says “DIUC value”, which should be UIUC. (Fixed)
* Table 6-329 – Includes data field “Repetition Coding Indication”, even while repetition coding is part of burst profiles in DIUC/UIUC. Should be removed. (fixed)
* Page 36, Lines 4, 6, and 10 – Undefined references. References to Tables 6-331 and 6-332 needed? (Now on Page 20 in D0.9 – vishal commented)
* Table 6-331 –
  + Explanation missing for “MS Mac Address”.
  + “Mac” should be all uppercase. (Agreed)
* Table 6-333 and 6-334 seem a bit out of place and ideally would be earlier under different headings. (Vishal will fix when correcting duplicate sections **6.3.37.7.1.1)**
* Section 6.3.37.9 Subchannel group relocation of Remotes
  + This seems like an unintentional repeat or accidental copy-paste of a previous section and should be removed. (ditto)
* Section 6.3.38 General (Move this text under heading 6.3.39 before 6.3.39.1
  + This section should in fact be a subsection under the next section, 6.3.39 DPP Air Interface Protocol (AIP). Or, perhaps the intention is that there would be a new (missing) section (at the same level as “NB-MAC Sublayer”) under which all what follows belongs.
  + TDD mode (AIR mode 2) has been removed, but it is still listed and described in this General section. It should be removed and the overall description changed accordingly.
  + P44 Line 5 to 11 – Add references to AIP mode 1 and 2. Otherwise, it is not necessarily very clear that HD mode = mode 1 and TDD mode = mode 2. (DPP changes are pending updated contribution 643r8 – to be reviewed in may in Orlando)
* Section 6.3.39.1 title has “mode 1” even if it is the only mode. Should this be renamed and/or this subsection level be removed? (ditto)
* Section 6.3.39.1 – Page 44 – Line 39 – “These signals are transmitted in the lowest subchannel in the subchannel group”
  + In addition to this, here, or elsewhere, there should be an explanation of the subchannel usage for the rest of the burst (CTRL-MSG and PDUs). Assumingly, the subchannel use is not dynamic (nothing in the burst determines what the subchannel usage is) but instead fixed and assumed known or configured (?) in the radios. It should be explained though.
* Page 46 - Table 6-339
  + The size of ‘Reserved’ (54 bits) does not make sense and should be changed to 5 bits to match Figure 6-232.
* Page 47 – Section 6.3.40.1 (is part of DPP so should be under 6.3.39)
  + Line 22-23 - An explanation of subchannel usage would be good to be included here as well.
  + Line 31-35 – With regards to RSSI, the base standard defines RSSI measurements as done by SS from BS DL preamble. Are these same existing definitions applicable? If yes, a reference to the relevant base standard section would be helpful. If no, these sections must include a description how DPtP RSSI measurements are performed or what the difference is.
* P48 – Section 6.3.40.2
  + Line 4 – Change “This paragraph describes…” to “This section describes…”
  + Should the description or diagram define how long the transmitting radio waits for an ACK? If this is the same as ACK deferral, it should be used in the description.
* P50 – Section 6.3.40.3
  + Should the description or diagram define how long the transmitting radio waits for an ACK? If this is the same as ACK deferral, it should be used in the description.
* P52 – Section 6.3.40.3.3
  + RTS, CTS, and ACK Deferrals are not described yet.
* P52 – Section 6.3.40.4.1
  + Line 34 – AIP mode 2 is being discussed here while it has been removed elsewhere. This whole paragraph should be taken out.
* P53 – Section 6.3.40.4.2
  + “During this state the DPP terminal starts to transmit periodic ASSOCIATE Request messages indicating its own unique MAC address and Name.” Right now, Name is not part of the Associate message, only the MAC address. Name should become explicitly an optional data field in the Associate Request. Name should be a variable length data field that can contain binary data. Associate Request shall always include Terminal 1 MAC address, but the recipient Terminal 2 can be referred to with \_either\_ MAC address \_or\_ Name.
* P53 – Section 6.3.40.4.3
  + Instead of referring to “MAC address and Name” in Associate Request, it should be “either, or…”.
  + Matching Terminal 1 MAC address check should only be done if the Associate Request includes Terminal 2 MAC address (and not Name).
  + “The DPP terminal in this state shall receive and transmit internal control messages (non-traffic)… ”. This description should be more specific and include a list of messages that are allowed in this state.
  + Is there anything specific related to PHS that needs to happen specifically in this state? If not, remove the bullet c). If yes, change the bullet c) to be more descriptive such as “Establish initial PHS rules between peer terminals”.
  + It is not clear from the description whether operational states and the association procedure changes states for both of the terminals or only Terminal 1. In other words, after Terminal 2 has sent Association Response back, will it also be in Association state or does the association procedure need to happen independently in both directions? (Since the node authentication happens independently for each direction, it would be natural for the association procedure to be the same but it needs to be explained.)
* P53 – Section 6.3.40.4.4
  + Is power cycling the only way a terminal would leave operational state? (This is the impression one gets from the current description.) If any other state transitions are allowed or would be happening, there should at least be some statement about that.
    - For instance, what would happen if the communication partner goes away? Would the remaining radio remain forever in Operational state?
  + It would be good to explain in this section, and possibly already in General section under 6.3.39 what some of the boundaries of DPP communication are. For instance, it sounds like a terminal could only be in operational state with one other radio at the time.
* P53 – Section 6.3.40.5.1
  + Line 28 – Should clarify exchanging “MAC address or Name” as above. The Associate message definition does not currently contain ‘Name’.
  + Line 28 – “ASSOICATE” has a typo
  + Line 30 – If there is not MAC or Name match, the terminal shall send ASSOCIATE Reject message. How do we prevent potentially a large number of radios other than the one target radio responding to the ASSOCIATE Request? Is ASSOCIATE Reject needed? If we think it is needed, the message format is not currently defined in the document.
* Figure 6-235, The message names and operational state names need to be added to the diagram (arrows).
* P55 – Section 6.3.40.7
  + Line 4 “adjusts its gain to optimize it CINR.” should be changed to “adjusts its gain to optimize received signal CINR while avoiding signal saturation”.
  + Line 8 “The criteria is vendor specific.” Wouldn’t it be better to call this a configurable parameter? Otherwise, this might have interoperability consequences.
* P57 - Section 6.3.40.10
  + Many of the message description texts are missing.
  + It would make sense for tables such as Table 6-342 to not be floating so that those could be found under the related sections.
  + Table 6-341 shall have Name added as an optional variable length data field.

Menashe will review all comments on 6.3.39-40 in updated contribution 643r8

* P62 – Section 8.6
  + Line 6, “Examples of NB subchannels…” should say “examples of NB subchannel sizes…” (Agreed)
* P64 – Section 8.6.3.2
  + Should change the text to “Each of the subscriber stations in the sector **needs to** receive and transmit in only one NB subchannel group at a time.” (Agree – find wording to make clearer and refer to later section for clarification – review proposal for this in May meeting)
* P64 – Section 8.6.4.1
  + Log-function needs base of 2 defined.
  + Should change the brackets to ceil() (round-up to the closest integer). (Fixed, but don’t double up Ceil symbol and function in text)
* P65 – Section 8.6.4.2.1
  + Line 21, ‘l’ needs to be subscript in ‘sl(t)’.
  + The equations are missing explanations of the parameters. Those are included in the next section. The relevant ones for the equations in this section should be copied here.
  + T\_s is not explained (sample time in the FFT)
  + N\_slot, N\_bin, N\_sym are not explained (Vishal will fix)
* Section 8.6.5.1 (Fixed)
  + Figure references (or figure labels) are wrong.
    - “Figure 4” references Figure 8-151
    - “Figure 5 and 6” references Figure 8-152 and 8-153
  + Add “, and” to “Preamble, pilots**, and** ALLOC\_MSGs…”
* Section 8.6.5.2
  + Table refence is wrong. (Continues throughout the document.)
  + “Table 1 shows the minimum frame duration vs subchannel bandwidth.” Change ‘vs’ to ‘versus’. Change “subchannel bandwidth” to “subcarrier spacing” to match the table heading. (Or vice versa, but “subcarrier spacing” could technically be more accurate.)
  + Figure 8-148 – This figure does not include the definition of “Bin”. Should use a line/arrow to mark the bin length in the figure to be across the 9 symbols.
  + Should change the order of Figure 8-148 and Figure 8-149 so that those will be referenced in the right order.
* Section 8.6.6.3
  + Line 10 – Table reference is missing.
* Section 8.6.7
  + Figure 8-150 – Figure title wrong. “Convolution coding” should be “channel coding” (or remove “with convolution coding” altogether).
* Section 8.6.7.1.4
  + Figure 8-151 – Should change the orientation of b3b2b1b0 to be the same (horizontal) as with the bit sequences.
* Section 8.6.7.1.5
  + “This repetition scheme is applied only to the use of QPSK modulation with all coding schemes.” Yet, in Table 6-327 (P33) repetition is only applied to QPSK ½.
* Section 8.6.7.5
  + Required TX signal filtering solution was not yet proven to work without performance degradation, at least with the highest order modulation (256-QAM). Therefore, this section may require some changes or new information.
* Section 8.6.7.6
  + P74 - Line 4 – “ove time” typo
  + Line 6 – The parameter ‘N’ is not explained.
  + Line 11 – I assume this refers to a different ‘N’? Should use different naming.
* Section 8.6.7.6.1
  + P75 – Line 6, “equationz” typo
* Section 8.6.10
  + P77 – Line 13, reference missing.