IEEE P802.22  
Wireless RANs

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| TGb LB2 Comment Resolution (CID #5, #8, #9, #10, #11, #12, #16, #17, #18) | | | | |
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|  |  |  |  |  |

Abstract

Comment resolution for CID #5, #8, #9, #10, #11, #12, #16, #17, #18

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| **ID** | **Clause** | **Subclause** | **Type** | **Comment** | **Suggested Remedy** |
| 5 | 7 | 7.4b.3.1 | T | Access Zone is used in both PHY mode 1 and PHY mode 2, but the description is not complete for PHY mode . | Add the following description at the begining "At the beginning of every superframe in AZ on PHY mode 1, the A-BS shall transmit the superframe preamble and the SCH on the operating channel using the modulation/coding specified in 9.4.1.2 and Table 202 respectively.." |

1. Proposed Resolution

Accept the comment.

“At the beginning of every frame in AZ, the A-BS shall transmit the frame preamble and the FCH on the operating channel using the modulation/coding specified in 9a.2 and Table HU1 respectively.”

The above paragraph for AZ explanation is only for PHY Mode 2. AZ is used in both PHY mode 1 and PHY mode 2.Then the above paragraph is modified as follows.

“At the beginning of every superframe in AZ being operated on PHY mode 1, the A-BS shall transmit the superframe preamble and the SCH on the operating channel using the modulation/coding specified in 9.4.1.2 and Table 202, respectively.

At the beginning of every frame in AZ being operated on PHY mode 2, the A-BS shall transmit the frame preamble and the FCH on the operating channel using the modulation/coding specified in 9a.2 and Table HU1 respectively.”

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| **ID** | **Clause** | **Subclause** | **Type** | **Comment** | **Suggested Remedy** |
| 8 | 7 | 7.7.7.3.6.12 | T | Permananent Station ID is shown in 7.7.7.3.4.12 | Remove 7.7.7.3.6.12 |
| 9 | 7 | 7.7.7.3.6.12 | T | CPE operational capability is shown in 7.7.7.3.4.13 | Remove 7.7.7.3.6.13 |
| 10 | 7 | 7.7.25 | T | Message Type = xx in Table Y1 is not defined | Remove it |
| 11 | 7 | 7.7.25 | T/E | Unnecessary Information elements (Ies) in Table Y1 | Remove IE |
| 12 | 7 |  | T/E | "Wait for Local Cell Update RSP " in figure AX1 is unncessary | Change to "Done" |

1. Proposed Resolution

Accept Comments

* CID #8 and #9

Permananent Station ID and (7.7.7.3.4.12) CPE operation capability (7.7.7.3.4.13) are duplicated in 7.7.7.3.6.12 and 7.7.7.3.4.13, respectively. Remove 7.7.7.3.6.12 and 7.7.7.3.4.13

* CID #10, #11, #12
* Refer doc. Doc.110r1 for revised Local cell update REQ/RSP

T9

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| **ID** | **Clause** | **Subclause** | **Type** | **Comment** | **Suggested Remedy** |
| 16 | 7 | 7.14.3.9.3 | T | Timer "Txx" (Figure AQ1, Figure AR1) is not defined | Define Timer "Txx" |
| 17 | 7 | 7.14.3.11.2 | T | Timer "Txx" (Figure AT1, AU1, AV1, AW1) is not defined | Define Timer "Txx" |
| 18 | 7 | 7.14.3.11.3 | T | Timer "Txx" (Figure AY1, AZ1) is not defined | Define Timer "Txx" |

1. Proposed Resolution

12.1.1.1 MAC (Relay, Multi-channel)

Table xxx MAC parameters, timers, message IEs

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| --- | --- | --- | --- | --- | --- |
| Entity | Name | Reference | Min value | Default value | Max value |
| CPE | T61 | Wait for container ACK | 10ms | - | < T9 |
| CPE | T62 | Wait for local cell update acknowledgement | - | - | 3s |
| CPE | T63 | Wait for DTT-RSP timeout | 10ms | - | < T9 |
| BS | T64 | Wait for DTT-RPT timeout | 10ms | - | < T9 |
| CPE | T65 | Wait for DTT-CFM timeout | 10ms | - | < T9 |
| BS | T66 | Wait for CAM-STP timeout | 10ms | - | 160ms |
| BS | T67 | Wait for CAM-SWH timeout | 10ms | - | 160ms |

Modify the following figures



**Figure AQ1 - Wait for CBC-REQ and Sending container message including CBC-REQ at a centralized scheduling A-CPE**



**Figure AR1 - Wait for Container ACK at a centralized scheduling A-CPE**



**Figure AV1 - Sending Local Cell Update IND from a distributed scheduling A-CPE**



**Figure AW1 - Wait for Local Cell Update ACK at a distributed scheduling A-CPE**

Add the following figures in 7.15.1.3



**Figure BE1 - Downstream transit request - CPE**



**Figure BF1 - Wait for DTT-RSP and Downstream Transit Test - CPE**



**Figure BG1 -Wait for DTT-RPT - A-BS**

**7.24.1.3.2 BS-CHU starts stop operation timer**

The BS-CHU shall start the stop operation timer (T66) after receiving the stop operation request from BS-CAM.

The start of the stop operation timer shall determine the frame number where the operation is scheduled to stop.

**7.24.1.4.2 BS-CHU starts channel switch timer**

The BS-CHU shall start the channel switch timer (T67) after receiving the channel switch request from BS-CAM.

The start of the channel switch timer shall determine the frame number where the new operating channel is scheduled to switch.

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| **ID** | **Commenter Name** | **Comment** | **Suggested Remedy** |
| 48 | Sunghyun Hwang | QPSK and code rate 1/2 are not defined. The coding scheme should also be defined. | Define MCS scheme of QPSK-code rate 1/2 and coding scheme to the CPE demodulator capability IE. |

Proposed Resolution

Accept

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| **Table S1 - Supported Modulation** | | | | | | | |
| **b0** | **b1** | **b2** | **b3** | **b4** | **b5** | **b6** | **b7** |
| QPSK | 16-QAM | 64-QAM | 256-QAM | MD-TCM | Reserved | | |

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| **Table T1 - Supported Coding Rates** | | | | | | | |
| **b8** | **b9** | **b10** | **b11** | **b12** | **b13** | **b14** | **b15** |
| 1/2 | 2/3 | 3/4 | 5/6 | 7/8 | 10/11 | 14/15 | Reserved |

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| --- | --- | --- | --- | --- |
| **ID** | **Commenter Name** | **Comment** | **Suggested Remedy** | **Implementation Status** |
| 47 | Sunghyun Hwang | The "Local SID Group" in Table P1 seems same as the "SID Bitmap of Group" in Table AR1. | If right, remove subclause 7.7.7.3.6 and replace "Local SID Group" with "SID of Group". | Reject. Local Cell is not the same concept of Group, thus Local SID Group is required |
| 49 | Sunghyun Hwang | What is the purpose of "Local Cell Update" in subcluase 7.7.25? Is it same as the "GRA-UPD" in subclause 7.7.30.2? | If right, remove subclause 7.7.25 and replace "Local Cell Update" with "GRA-UPD". | Reject. Local cell updata is |