IEEE P802.11
Wireless LANs

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| Supplement of LB 200 Annex B comment resolution |
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Abstract

After a presentation of DCN14-587r0, 4 comments were provided from TGah members. Since some of parts of DCN14-587r0 based on the comments were revised, this submission explains differences between DCN14-587r0 and DCN14-587r2.

* **C1**

Current status of FT7 is as below

FT7 Beacon Clause 8 (Frame formats) (not CF2.3 and not CF32):M, CF27:M

Option number of CF27 is “5”. and another candidate of O.5 is CF28 (DMG STA). Therefore S1G STA is included in CF27.



* Definition of CF27 includes S1G STA.
* Definition of CF2.3 is “Independent station operating outside the context of a BSS (dot11OCBActivated istrue).”
* Definition of CF32 (ANA number) is “Sub 1GHz (S1G) features.”

Therefore, the above statuses conflict each other because the first condition says supporting Beacon is not mandatory for S1G STA but the second condition says S1G STA shall support Beacon. Since S1G STA does not need to support Beacon written in clause 8 (Frame formats), the second condition is wrong. As the commenter points out, the second status should be changed as below.

(CF27 and not CF32):M

So, FT7 was revised as below.

FT7 Beacon Clause 8 (Frame formats) (not CF2.3 & not CF32):M, (CF27 & not CF32):M

* **C2**

The commenter says

“The status of "HTM3.2 A-MPDU format" and "HTM3.3 A-MPDU contents" is now "(CF16 & not CF32):M CF32: M". It can be simplified to "(CF16 or CF32):M".”

From Boolean expression point of view, the commenter is right and the proposed status is easier to understand the condition. So, HTM3.2 was revised as below.

HTM3.2 A-MPDU format (CF16 or CF32):M

HTM3.3 is as well

* **C3**

The commenter says,

The latest **baseline document** says as below on PC37.



This status means that PSMP is optional for non-DMG STA including S1G STA.

According to the discussion on February 19th, 2014 Teleconference (11-14/0266r0), PSMP is not supported by the S1G STA.

Thus,
\*PC37 Power save multi-poll (PSMP) 8.6.12.4 (PSMPframe format) CF27:O
should be changed to (CF27 AND not CF32):O

The commenter says “S1G STA does not support PSMP” but PSMP is supported by S1G STA for some cases because sub-clause 9.7.5.1 specifies as below.

For an S1G STA, non-STBC PSMP frames and non-STBC S1G(#2519) Beacon frames shall be transmitted in an S1G 1 MHz PPDU, an S1G 2 MHz PPDU with short preamble, an S1G 1 MHz Duplicated PPDU or an S1G 2 MHz Duplicated PPDU with short preamble using one of the mandatory PHY rates.

So, CF27 is optional for S1G STA.

Conclusion: current status is correct. Not need to change.

**C4**

Status of S1GP6.4 does not reflect a correct condition.

And the following status is proposed from the commenter.

CF32 & S1GP1.1 & S1GP1.2 & !S1GP1.3 & !S1GP1.4 & !S1GP1.5: M

As the commenter says, the intention of this status is

*for both APs and STAs, the >=2MHz long preamble format is mandatory if 4, 8, or 16MHz bandwidths are supported,*

*and optional if only 1 and 2MHz bandwidths are supported (This is stated in text in section 24.1.1).*

Hence the commenter’s proposal is correct. But the proposed status may be a little complicated to understand. To resolve this point, S1GP6.4 status was revised as below.

CF32 & S1GP1.1: O

CF32 & S1GP1.2: O

CF32 & S1GP1.3: M

CF32 & S1GP1.4: M

CF32 & S1GP1.5: M