IEEE P802.11
Wireless LANs

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| Comment resolutions on CID 4850 and CID8153 on TWT |
| Date: 2017-05-05 |
| Author(s): |
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Abstract

The submission provides comment resolutions to CID4850 and CID8153.

Comments:

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| **CID** | **Commenter** | **P** | **L** | **Comment** | **Proposed Change** | **Resolution** |
| **8153** | **Michael Montemurro** | **183** | **25** | **The overall procedure shown in Figure 27-5 is not really described very well. Its not clear to the reader.** | **Add an explanation in the paragraphe that introduces Figure 27-5** | **Revised –****Agree in principle with the comment. Proposed resolution is to expand the paragraph to explain the concepts illustrated in the figure.** **TGax editor to make the changes shown in 11-17/0735r0 under all headings that include CID 8153.** |
| **4850** | **Alfred Asterjadhi** | **184** | **36** | **"The TWT scheduling STA should schedule delivery of DL BUs during unannounced TWT SPs." is too vague. Cant the AP schedule DL BUs delivery when the STA has declared to be in awake state?** | **As in comment.** | **Revised –****Agree in principle with the comment. Proposed resolution is to clarify this aspect.****TGax editor to make the changes shown in 11-17/0735r0 under all headings that include CID 4850.** |

## Discussion:

**CID 8153. The description of the operation in the figure is added.**

**CID 4850. The comment asks to clarify which STAs are scheduled during the broadcast TWT.**

**If a STA has joined to a TWT SP, or if a STA is in active mode, then the STA is awake during the TWT SP. This is the only information that the AP needs to maintain to know whether a STA is available during a TWT SP.**

**The TWT SPs are independent and operation during a TWT SP does not depend on the STA operation during the previous TWT SP. This keeps TWT SPs simple and easy to implement.**

**For instance, a STA cannot be in doze state if it did not transmit successfully anything during the previous SP.**

## Proposed normative text:

* Broadcast TWT operation

**27.7.3.1 General**

**TGax Editor: *Change the paragraph below of this subclause as follows (#CID 8153):***

An example of broadcast TWT operation is shown in Figure 27–8(Example of Broadcast TWT operation), where the AP is the TWT scheduling AP and STA 1 and STA 2 are the TWT scheduled STAs. The AP includes a broadcast TWT element in the Beacon frame that indicates a first broadcast TWT at or after which the AP intends to send a Trigger frame, and a second broadcast TWT at which the AP intends to schedule DL transmissions. STA1 and STA 2 wake to receive the Beacon determine the broadcast TWTs at which to wake for sending their polls (during the trigger-enabled TWT SP the polls can be sent as a response to the Trigger frame). The STAs can transmit UL and receive DL BUs during their TWT SPs. The STAs can stay in doze state outside of these TWT SPs. *(#8153)*

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* Rules for TWT scheduling AP

The TWT scheduling AP should schedule delivery of DL BUs during unannounced TWT SPs for TWT scheduled STAs that have joined to the TWT SP *(#4850)*.

**References:**