IEEE P802.11
Wireless LANs

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| D0.1 Comment Resolution – CID 808 |
| Date: 2011-05-09 |
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##### Baseline is 11ac D0.3 document.

##### This document proposes resolution for the following CID:

##### COEX: 808

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| **808** | **Loc, Peter** | **7.4.12.4** | **37** | **46-50** | **TR** | **The Operating Mode Notification frame can be sent by both non-AP STA and AP implies that any STA can decide to operate with less than 80MHz bandwidth although the AP and other STAs still operate with 80 MHz. This will create coexistence issues among the STAs operating in the same BSS**  | **Add text to state that although a non-AP STA can send an Operating Mode Notification frame to change its operating channel width, it shall continue to operate with the current channel width until the AP sends out a Operating Mode Notification frame. This may need further discussion in the task group.** |  | **MAC** |

**Proposed resolution:** Disagree.

**Discussion:** The problem stated by this CID is regarding sending Operating Mode Notification by a STA when it’s changing its bandwidth from e.g. 80MHz to 40MHz. The commenter states that there would be coexistence issues when the STA has sent the notification and assumes its operation with 40MHz bandwidth while AP still assumes the STA operates with 80MHz. However it’s not clear what the coexistence problems that the commenter refers to are. A STA is expected to send Operating Mode Notification when it’s not expecting to receive any data, otherwise the STA is the one that losses it data. But even in the case of data loss there seems to be no coexistence issue caused by the STA changing its bandwidth to a narrower bandwidth. Note that a device operating in 40 MHz mode can receive the L-SIG in the 80 MHz packet and defer appropriately and therefore there will be no coexistence issue.