IEEE P802.11
Wireless LANs

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| Comment Resolution for CID 2954 |
| Date: 2011-09-19 |
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Abstract

This document provides resolution for CID 2954.

Comments are from: 11-11-0907-0x-00ac-lb178-comments-tgac-d1-0.xlsx

Comments refer to: Draft P802.11ac\_D1.0.pdf

**Comments**

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| --- | --- | --- | --- | --- | --- | --- |
| 2954 | 70/6 | 9.2.4 | The ACs for NDPA frame and Beamforming Report Poll frame are not defined. | Before the last paragraph of section 9.2.4 Hybrid coordination function (HCF), insert "When the first frame in a frame exchange sequence is an NDPA or Beamforming Report Poll control frame, the NDPA or Beamforming Report frame shall inherit the UP of the first following data frame or management frame to be transmitted by the beamformer in the same TXOP, or using access category AC\_VO when there's no data frame or management frame to be transmitted by the beamformer in the same TXOP." | AGREE IN PRINCIPLE. Modify the spec text as suggested in 11/1281. | MAC |

**Discussion**

NDPA and Beamforming Report Poll frame are new control frames introduced in 11ac. While how to allocate the AC for an NDPA frame or a Beamforming Report Poll frame during EDCAF process is not defined in the 11ac spec. The intention of this comment is identified. And after some offline discussion, people in the group believe that a loose AC rule for NDPA frame and Beamforming Report Poll frame will enable the easy and flexible implementation of 11ac sounding protocol.

**Instructions to the editor**

***Modify the text in P802.11REVmb9.0, P810/L29 as follows : [****text in red&strikeline indicates removed words; text in blue&underline indicates inserted words****]***

*Insert the following text at the end of the second last paragraph of section 9.2.4.2 HCF Contention-based channel access (EDCA)*

A beamformer may send an NDPA frame or Beamforming Report Poll frame using any AC.

***Modify the text in P802.11AC D1.0, P79/L50 as follows : [****text in red&strikeline indicates removed words; text in blue&underline indicates inserted words****]***

A multiple frame transmission within the TXOP occurs when an EDCAF retains the right to access the medium following the completion of a frame exchange sequence, such as on receipt of an ACK frame or on receipt of a VHT Compressed Beamforming Report frame sent in response to either an NDPA frame or a Beamforming Report Poll frame.