IEEE P802.11
Wireless LANs

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| Group Addressed Frame Rate Selection |
| Date: 2012-12-02 |
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Abstract

Proposed change to rate selection rule for MCAST frames – to allow MCAST frames except Beacon and Action and Action Noack and a list of others to be transmitted at any rate so long as the rate is supported by all STAs in the BSS.

**Revision Notes**

**R0:**

Initial.

**No CID**

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| **CID** | **Commenter** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| - | Matthew Fischer | 855.40 | 9.7.5.3 | There does not seem to be a good reason why a lot of MCAST frames could not be transmitted at a rate that is supported by all members of a BSS. | Allow transmission of most MCAST frames to be performed at a rate that is supported by all members of the BSS. | Revise – Tgm editor to make changes to the draft as shown in document 11-12-1429r0 under the heading “No CID”. |

**Discussion**

**Proposed changes**

***TGm editor: Modify the text of subclause 9.7.5.3 Rate selection for other group addressed data and management frames***

**9.7.5.3 Rate selection for other group addressed data and management frames**

This subclause describes the rate selection rules for group addressed data and management frames, excluding the following:

— Non-STBC Beacon and non-STBC PSMP frames

— STBC group addressed data and management frames

— Data frames located in an FMS stream (see 10.23.7)

If the BSSBasicRateSet parameter is not empty, a data or management frame (excluding the frames listed above) with a group address in the Address 1 field shall be transmitted in a non-HT PPDU using one of the rates included in the BSSBasicRateSet parameter or the rate chosen by the AP, described in 10.23.7, if the data frames are part of an FMS stream, or at any rate or MCS that is supported by all associated STAs and using any value of the TXVECTOR parameter FORMAT that is supported by all associated STAs if the frame is not listed above and is not a Beacon or Action or Action NoAck.

If the BSSBasicRateSet parameter is empty and the BSSBasicMCSSet parameter is not empty, the frame shall be transmitted in an HT PPDU using one of the MCSs included in the BSSBasicMCSSet parameter, or at any rate or MCS that is supported by all associated STAs and using any value of the TXVECTOR parameter FORMAT that is supported by all associated STAs if the frame is not listed above and is not a Beacon or Action or Action NoAck.

If both the BSSBasicRateSet parameter and the BSSBasicMCSSet parameter are empty (e.g., a scanning STA that is not yet associated with a BSS), the frame shall be transmitted in a non-HT PPDU using one of the mandatory PHY rates, or at any rate or MCS that is supported by all associated STAs and using any value of the TXVECTOR parameter FORMAT that is supported by all associated STAs if the frame is not listed above and is not a Beacon or Action or Action NoAck.

**References:**