IEEE P802.11
Wireless LANs

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| CID 4041 Resolution |
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Abstract

Resolution to 802.11md SA Ballot CID 4041

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| **CID** | **Clause** | **Comment** | **Proposed Change** |
| 4041 |  | ATIM is not useful at all and gives only harm to IBSS operation. | Delete ATIM operation throughout the draft. |

Resolution: Revised

Discussion:

The use of ATIM frames, as described in 802.11md D3.2 sub-clause 11.2.4 Power management in an IBSS, is not implemented in 802.11 devices. The absence of an AP in an IBSS makes power management complicated, and the mechanism in 11.2.4 does not offer the same benefits as power management in an infrastructure BSS. Therefore, this use of the ATIM frame in an IBSS can be deprecated.

However, ATIM frames are employed successfully in other parts of the IEEE 802.11 standard, such as in sub-clause 11.2.7 Power management in a PBSS and DMG infrastructure BSS. Therefore, a sufficient resolution for this comment is to make sub-clause 11.2.4 obsolete and to place a notice in sub-clause 11.2.8 that power management in IBSS is deprecated.

*Instruct the Editor to modify the following text of subclause 11.2.4.1:*

Subclause 11.2.4 (Power management in an IBSS) specifies the power management mechanism for use within an IBSS. This mechanism is deprecated.

*Instruct the Editor to insert the following text at the beginning of subclause 11.2.8:*

Power management in an IBSS is deprecated. If power management is in use within an IBSS, a STA shall buffer individually addressed BUs for STAs that are known to be in PS mode.

*Instruct the editor to insert the following text to Annex B PC13 (P3585L60) after the text “IBSS power management”:*

P3587L60 This capability is deprecated.