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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**<http://ieee802.org/16>**>** | |
| Title | ***Clarifying T32timer for network reentry based on group delegate, Revision 1*** | |
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| Re: | Call for contributions for 802.16 WG Sponsor Ballot (IEEE 802.16.1b) | |
| Abstract | This contribution proposes to clarifying allocation of dedicated ranging channel for a large number of devices. | |
| Purpose | To be discussed and adopted for 802.16.1b amendment working document. | |
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***Clarifying T32timer for network reentry based on group delegate, Revision 0***

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1. **Introduction**

In current P802.16.1b/D2, T32 timer is used for backup procedure of network reentry based on GD when group member can’t hear any confirmation from BS. But detail value of T32 timer is TBD. This contribution proposes to set detail value for T32 timer.

For minimum value of T32 timer, we can use the rule as follow:

Assume: Max set of group code is 32=2^5; Group ID=2^12; so we need 2^7 ranging opportunity and if one frame can offer to one ranging opportunity and group member need wait for 2 times BS’s response; So minimum value of T32 timer= 2^7\*0.005s\*2=1.28s.

For maximum value of T32 timer, maximum value of T32 timer = 2^24\*0.005=1398min

24 is based on frame number 24bits.

1. **The Proposed Text in AWD**

------------------------------- Text Proposal Start ---------------------------------------------------

**[*Remedy1: Add proposed text from line# 34 Page 70 in IEEE P802.16.1b/D2 with the followings:*]**

**6.11 Global values**

Table 327—Parameters and constants

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| System | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | Name |  |  |  |  | | Time reference | Minimum value | Default value | Maximum value |
| … | … | … | … | … | … |
| M2M device | |  |  |  | | --- | --- | --- | |  | T32 |  | | <insert>AAI-RNG-ACK reception timeout following the transmission of a ranging preamble code sent by a group delegate.</insert> | <insert>Minimum value of T31</insert> |  | <insert>1398min</insert> |
| … | … | … | … | … | … |

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