IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TB Ranging RSTA Availability Window Periodicity | | | | |
| Date: 2021-01-08 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Christian Berger | NXP | 350 Holger Way, San Jose, CA |  | [christian.berger@nxp.com](mailto:christian.berger@nxp.com) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes a change to the definition of the TB Ranging RSTA Availability Window Periodicity field, changes are relative to Draft 3.0.

Revisions:

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGaz Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGaz Editor: Editing instructions preceded by “TGaz Editor” are instructions to the TGaz editor to modify existing material in the TGaz draft. As a result of adopting the changes, the TGaz editor will execute the instructions rather than copy them to the TGaz Draft.***

**The text preceded by “Discussion” is not part of the adopted changes.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Discussion:**

Making the periodicity of the availability window depend on the beacon interval, requires the ISTA to observe the beacon. Since we specifically include, e.g., the BSS color in negotiation to avoid the need to observe (and store) the beacon and its parameters. Also the quoted number of 25.5 seconds is incorrect, as 100 TU = 100\* 1024 microseconds leads to 255\*100\*1024 = 26,112,000

**9.4.2.297 RSTA Availability Window element**

TGaz Editor: Modify the following paragraph on page 71 (line 26-29) as follows

The Periodicity subfield in an Availability Window Information subfield indicates the periodicity of that availability window in units of 100 TU (Giving it a value from 0 to ~26.1 s). (#1376)