



10 Mb/s Single Twisted Pair Ethernet Clause 98 Timer Values

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Clause 98 Timer Values

Changing the maximum link delay time in Clause 146.7.1.3 also influences several timer values in Clause 98 and the associated PICS, which need to be adapted accordingly:

| Timer | 8400 ns link delay time | 8834 ns link delay time |
|-------------------|--|--|
| backoff_timer | If T[4] bit is 1 then the timer duration is set as (144842 ns to 148042 ns) + (random integer from 0 to 15) x (17808 ns to 18816 ns). If T[4] bit is 0 then the timer duration is set as (153998 ns to 157198 ns) + (random integer from 0 to 15) x (17808 ns to 18816 ns). | If T[4] bit is 1 then the timer duration is set as (145712 ns to 148912 ns) + (random integer from 0 to 15) x (18728 ns to 19788 ns). If T[4] bit is 0 then the timer duration is set as (155341 ns to 158541 ns) + (random integer from 0 to 15) x (18728 ns to 19788 ns). |
| blind_timer | The timer shall expire 16800 ns to 17808 ns after being started. | The timer shall expire 17668 ns to 18728 ns after being started. |
| receive_DME_timer | The timer shall expire 144842 ns to 148042 ns after being started. | The timer shall expire 145712 ns to 148912 ns after being started. |
| silent_timer | The timer shall expire 17808 ns to 18816 ns after being started. | The timer shall expire 18728 ns to 19788 ns after being started. |

Depending, if 8400 ns or 8834 ns are chosen as maximum link delay time the respective table column has to be taken for the timer values.

Thank You