

2x25G EPON wavelength plan

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Background

- The meeting in Orlando we have passed the following motion on 2x25G EPON wavelength plan:

11/8/2017 4:24 PM

Motion #12		
2x25G -EPON shall WDM coexist with 10G-EPON, i.e., the second upstream channel (US1) in any 2x25G EPON shall not re-use one of the two options for 25G US0 (US0-B and US0-A).		
Moved:	Ed Harstead	Second: Ed Walter
For:	16	Against: 4 Abstain: 7
Technical ($\geq 75\%$)	Motion Passed	

- The general idea of this motion is “2x25G EPON should support WDM coexistence with 10G EPON” , but the second part of motion means more than this, and it’s not necessary to be true.

We have two options of 25G EPON!

Motion #5
802.3ca shall adopt an upstream wavelength plan for the first 25G and new 10G (EQ based) channel with two options,

Option 1: at 1310nm width 20nm; WDM coexistent with 10G-EPON

Option 2: at 1270nm width 20nm; WDM coexistent with G-PON reduced wavelength set.

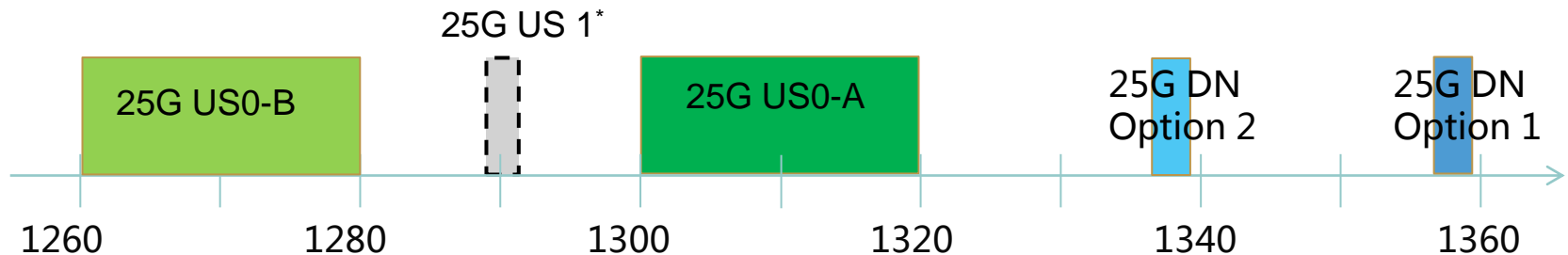
TDM coexistence with legacy PONs is not required.

Moved: Frank Effenberger

Second: John Johnson

For: 21 Against: 1 Abstain: 4

Technical ($\geq 75\%$) Motion Passed



* If 25G US1 is needed

- For option 2, 25G EPON is not required to coexist with 10G EPON. The 2x25G EPON can't coexist with 10G EPON by WDM already if the first channel is chosen with US0-B
- There is no reason to prevent US0-A as the second channel for 2x25G in the option 2.

Suggestion:

- It' s suggested to remove the second part of motion#12 in November 2017 meeting

Motion

- Supersede the motion #12 in in November 2017 meeting with the following:
2x25G -EPON shall support WDM coexistence with 10G-EPON.

Moved: Dekun Liu Second:

For :

Against:

Abstain:

Thank you
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