Cl **0** *SC* **0** *P* **0** *L* # R1-3

Nicholl, Gary — Cisco Systems, Inc.

Comment Type **E** *Comment Status* **X**

Implement new FM template (Version 4.4)

SuggestedRemedy

Implement new FM template (Version 4.4), based on the email from Pete Anslow to the 802.3_EDITORS reflector on 10/30/2020

Proposed Response *Response Status* **O**

Cl **140** *SC* **140.6.1** *P* **43** *L* **15** # R1-1

Stassar, Peter — Huawei Technologies Co., Ltd

Comment Type **TR** *Comment Status* **X**

Transmitter power excursion (max) should be in "dB" instead of "dBm"

SuggestedRemedy

Change "dBm" to "dB"

Proposed Response *Response Status* **O**

Cl **140** *SC* **140.6.1** *P* **43** *L* **17** # R1-11

Dawe, Piers J G — Mellanox Technologies

Comment Type **E** *Comment Status* **X**

Table 160-6 has "TECQ (max)" while Table 151-7 has "Transmitter eye closure for PAM4 (TECQ), each lane (max)"

SuggestedRemedy

Change to "Transmitter eye closure for PAM4 (TECQ) (max)"

Proposed Response *Response Status* **O**

Cl **140** *SC* **140.6.3** *P* **47** *L* **32** # R1-10

Nicholl, Gary — Cisco Systems, Inc.

Comment Type **T** *Comment Status* **X**

In footnote (b) of Table 140-8 it is probably unnecessary to reference the wavelength at which the fiber attentuaion is 0.43 dB/km. In an earlier revision footnote (a) of Table 140-8 was changed to remove the reference to the wavelength, thus making footn

SuggestedRemedy

Remove "at 1304.5 nm" from footnote (b) of Table 140-8.

Proposed Response *Response Status* **O**

Cl **140** *SC* **140.7.5.2** *P* **51** *L* **43** # R1-15

Dawe, Piers J G — Mellanox Technologies

Comment Type **T** *Comment Status* **X**

802.3 doesn't specify devices, it specifies interfaces

SuggestedRemedy

Change "device" to "transmitter" (twice in this subclause).
Had this been a WDM PMD, it would have been "lane under test".

Proposed Response *Response Status* **O**

Cl **140** *SC* **140.7.5b** *P* **52** *L* **19** # R1-7

Nicholl, Gary — Cisco Systems, Inc.

Comment Type **E** *Comment Status* **X**

Over/Under-shoot is only applicable for 100GBASE-FR1 and 100GBASE-LR1, and not for 100GBASE-DR.

SuggestedRemedy

Add "for 100GBASE-FR1 and 100GBASE-LR1" after "Table 140-6" in the first sentence of 140.7.5b

Proposed Response *Response Status* **O**

Cl **140** *SC* **140.7.5c** *P* **52** *L* **53** # R1-8

Nicholl, Gary — Cisco Systems, Inc.

Comment Type **E** *Comment Status* **X**

Transmitter power excursion is only applicable for 100GBASE-FR1 and 100GBASE-LR1, and not for 100GBASE-DR.

SuggestedRemedy

Add "for 100GBASE-FR1 and 100GBASE-LR1" after "Table 140-6" in the first sentence of 140.7.5c

Proposed Response *Response Status* **O**

Cl **140** *SC* **140.10a** *P* **58** *L* **3** # R1-9

Nicholl, Gary — Cisco Systems, Inc.

Comment Type **E** *Comment Status* **X**

"Recommendations for interoperation" is a more appropriate description than "Guidelines for interoperation" in this section.

SuggestedRemedy

Replace "Guidelines" with "Recommendations" throughout subclause 140.10a. Make a similar change for 151.12.

Proposed Response *Response Status* **O**

Cl **140** *SC* **140.10a.1** *P* **59** *L* **12** # R1-12

Dawe, Piers J G — Mellanox Technologies

Comment Type **TR** *Comment Status* **X**

As pointed out in D3.0 comment 65, a 100GBASE-FR1 or 100GBASE-LR1 transmitter is allowed to transmit a bad signal that a 100GBASE-DR may not, and that a 100GBASE-DR receiver is not qualified for. This breaks interoperability. The K limit is missing, and

SuggestedRemedy

As interoperability with 100GBASE-DR applies over much shorter distances than the full distance for 100GBASE-FR1 or 100GBASE-LR1,
and as it is expected that decent transmitters will have no problem meeting the spec proposed below, and there is no extra m

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.5.7** *P* **70** *L* **2** # R1-13

Dawe, Piers J G — Mellanox Technologies

Comment Type **E** *Comment Status* **X**

the average launch power of the OFF transmitter in Table 151–8 for 400GBASE-FR4 and 400GBASE-LR4-6

SuggestedRemedy

Change and to or, or better, delete "for 400GBASE-FR4 and 400GBASE-LR4-6". Also in 151.5.8.

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.7.1** *P* **72** *L* **33** # R1-2

Stassar, Peter — Huawei Technologies Co., Ltd

Comment Type **TR** *Comment Status* **X**

Transmitter power excursion (max) should be in "dB" instead of "dBm"

SuggestedRemedy

Change "dBm" to "dB"

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.8.2** *P* **79** *L* **48** # R1-5

Nicholl, Gary — Cisco Systems, Inc.

Comment Type **E** *Comment Status* **X**

There is an unnecessary comma in the first sentence of 151.8.2, 151.8.10, 151.8.12 and 151.8.13.

SuggestedRemedy

Remove the unnecessary comma in the first sentence of 151.8.2, 151.8.10, 151.8.12 and 151.8.13.

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.8.2** *P* **79** *L* **48** # R1-4

Nicholl, Gary — Cisco Systems, Inc.

Comment Type **E** *Comment Status* **X**

There is no need to state "for 400GBASE-FR4 and 400GBASE-LR4-6" in the first sentence of 151.8.2.

SuggestedRemedy

Delete "for 400GBASE-FR4 and 400GBASE-LR4-6" in the first sentence of subclause 151.8.2. Make an equivalent change in 151.8.3, 151.8.6, 151.8.9, 151.8.10, 151.8.12 and 151.8.13.

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.8.5** *P* **80** *L* **20** # R1-14

Dawe, Piers J G — Mellanox Technologies

Comment Type **E** *Comment Status* **X**

Thompson

SuggestedRemedy

Thomson 3 times in this subclause, twice in 151.8.10

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.8.5.1** *P* **80** *L* **40** # R1-16

Dawe, Piers J G — Mellanox Technologies

Comment Type **T** *Comment Status* **X**

802.3 doesn't specify devices, it specifies interfaces. And the dispersion is different for the four wavelengths.

SuggestedRemedy

Change "device" to "lane" (twice in this subclause).

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.8.8** *P* **81** *L* **36** # R1-17

Dawe, Piers J G — Mellanox Technologies

Comment Type **E** *Comment Status* **X**

leading space before: is average

SuggestedRemedy

Remove

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.8.8** *P* **81** *L* **36** # R1-18

Dawe, Piers J G — Mellanox Technologies

Comment Type **E** *Comment Status* **X**

is average

SuggestedRemedy

is the average? Also in 140.7.5c

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.8.13** *P* **83** *L* **4** # R1-6

Nicholl, Gary — Cisco Systems, Inc.

Comment Type **E** *Comment Status* **X**

Missing comma after "122.8.9" in the first sentence of 151.8.13.

SuggestedRemedy

Add a comma after "122.8.9" in the first sentence of 151.8.13.

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.8.13** *P* **83** *L* **4** # R1-19

Dawe, Piers J G — Mellanox Technologies

Comment Type **E** *Comment Status* **X**

Misplaced comma

SuggestedRemedy

Change
400GBASE-LR4-6 if, measured using
to
400GBASE-LR4-6, if measured using

Proposed Response *Response Status* **O**

Cl **151** *SC* **151.13.4.5** *P* **92** *L* **40** # R1-20

Dawe, Piers J G — Mellanox Technologies

Comment Type **E** *Comment Status* **X**

Put the PICS in the same order as the transmitter table and optical parameters subclauses

SuggestedRemedy

Over/under-shoot and Transmitter power excursion should come after OM6 Over/under-shoot and before Extinction ratio, as OM7, OM8

Proposed Response *Response Status* **O**