Cl **30** *SC* **30.5.1.1.2** *P* **19** *L* **10** # r01-1

BUCANEG, DEMETRIO JR Hawaiian Electric Com

Comment Type **ER** *Comment Status* **R**

Quote: Written as "30.5.1.1.2 aMAUType" and might have been a minor typo for that letter "a".

SuggestedRemedy

Rewrite as: "30.5.1.1.2a aMAUType"

Response *Response Status* **C**

REJECT.

"aMAUType" is specified to be name of the attribute of a managed object. "a" is not part of the clause number.

Cl **45** *SC* **45.2.1.8** *P* **21** *L* **9** # r01-2

BUCANEG, DEMETRIO JR Hawaiian Electric Com

Comment Type **ER** *Comment Status* **R**

For consistency as was written in "Tables 45-9 and 45-10", row 1 in "Table 45-12" should be corrected as shown.

SuggestedRemedy

Rewrite row 1 under column "PMA/PMD" as "25GBASE-LR, and 25GBASE-ER"

Response *Response Status* **C**

REJECT.

The format for the entries in Tables 45-9, 45-10, and 45-12 are consistent with convention (see tables in 802.3-2015).

Cl **108** *SC* **108.7.3** *P* **27** *L* **13** # r01-3

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Comment Type **ER** *Comment Status* **R**

For completeness, include the "Subclause" references for "25GBASE-LR and 25GBASE-ER" respectively in table.

SuggestedRemedy

Add "Subclause" references for "*LR & *ER" in the table.

Response *Response Status* **C**

REJECT.

Leaving the reference blank is consistent with what was done for *KR, *CR, and *SR in Clause 108.7.3, which was introduced by P802.3by.

Cl **114** *SC* **114.6.1** *P* **33** *L* **40** # r01-4

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Comment Type **TR** *Comment Status* **D**

In "Table 114-6", "25GBASE-ER" has "Center Wavelength (Range)" of "1295 to 1310 nm". In comparison, "Table 114-7, 25GBASE-ER" has a different "Center Wavelength (Range)" of "1295 to 1325 nm". If needs to match in values, suggest taking the higher range where "Table 114-6" is revised as shown.

SuggestedRemedy

Revise as: "Table 114-6, 25GBASE-ER, Center Wavelength (Range) = 1295 to 1310 1325 nm".

Proposed Response *Response Status* **C**

REJECT.

This comment was WITHDRAWN by the commenter.

Comments r01-4 and r01-5 are the same. The center wavelength range in Table 114-6 was made narrower to limit dispersion penalties for the 25GBASE-ER transmitter. The center wavelength range in Table 114-7, which specifies the 25GBASE-ER receiver, was matched to the range of 25GBASE-LR to allow interoperation between 25GBASE-LR and 25GBASE-ER.

Cl **114** *SC* **114.6.2** *P* **35** *L* **13** # r01-5

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Comment Type **TR** *Comment Status* **R**

In "Table 114-6", "25GBASE-ER" has "Center Wavelength (Range)" of "1295 to 1310 nm". In comparison, "Table 114-7, 25GBASE-ER" has a different "Center Wavelength (Range)" of "1295 to 1325 nm". If needs to match in values, suggest taking the higher range where "Table 114-6" is revised as shown.

SuggestedRemedy

Coordinate consistent values of the "25GBASE-ER, Center Wavelength (Range) = 1295 to 1325 nm" between "Tables 114-7 and 114-6".

Response *Response Status* **C**

REJECT.

Comments r01-4 and r01-5 are the same. The center wavelength range in Table 114-6 was made narrower to limit dispersion penalties for the 25GBASE-ER transmitter. The center wavelength range in Table 114-7, which specifies the 25GBASE-ER receiver, was matched to the range of 25GBASE-LR to allow interoperation between 25GBASE-LR and 25GBASE-ER.

Cl **114** *SC* **114.6.3** *P* **36** *L* **15** # r01-6

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Comment Type **TR** *Comment Status* **A**

In comparison, "Table 114-8, 25GBASE-ER, 30 km, Channel Insertion Loss (Max) = 15 dB" is different from "Table 114-11, 25GBASE-ER, 30 km, Channel Insertion Loss (Max) = 18 dB". If needs to match in value, suggest taking the higher magnitude where "Table 114-8" is revised as shown.

SuggestedRemedy

Revise as: "Table 114-8, 25GBASE-ER, 30 km, Channel Insertion Loss (Max) = 15 18 dB"

Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

Channel insertion loss (max) in Table 114-11 is correct at 18 dB. "Channel insertion loss (max)" will be changed to "Channel insertion loss" in Table 114-8, which will remove the confusion. Also, foot note "b" and "a" will be added to the channel insertion loss of 30 km and 40 km, respectively.

Cl **114** *SC* **114.1** *P* **40** *L* **7** # r01-7

BUCANEG, DEMETRIO JR Hawaiian Electric Com

Comment Type **TR** *Comment Status* **A**

In comparison, "Table 114-8, 25GBASE-ER, 30 km, Channel Insertion Loss (Max) = 15 dB" is different from "Table 114-11, 25GBASE-ER, 30 km, Channel Insertion Loss (Max) = 18 dB". If needs to match in value, suggest taking the higher magnitude where "Table 114-8" is revised as shown.

SuggestedRemedy

Coordinate consistent value of the "25GBASE-ER, 30 km, Channel Insertion Loss (Max) = 18 dB" between "Tables 114-11 and 114-8".

Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

Tables 114-8 and 114-11 should be consistent with Tables 87-9 and 87-14, which set the precedent for illustrative link power budget and fiber optic cabling characteristics, respectively, when there is a specification for minimum channel loss. The following changes to Tables 114-8 and 114-11 will make them consistent with Tables 87-9 and 87-14.

1. Delete "(max)" from the channel insertion loss parameter cell in Table 114-8.
2. Delete the entire row for channel insertion loss (min) in Table 114-8.
3. Combine the cells for channel insertion loss (max) in Table 114-11 for 25GBASE-ER at 30km and 40km.

Cl **1** *SC* **1** *P* **1** *L* **1** # r01-8

BUCANEG, DEMETRIO JR Hawaiian Electric Com

Comment Type **G** *Comment Status* **R**

Note: Details of the tabulated comments seemed to get lost during the downloading of Excel Spreadsheet but could be emailed if needed.

SuggestedRemedy

Response *Response Status* **C**

REJECT.

Out of scope. This is not a comment against P802.3cc D3.1.

Cl **114** *SC* **114.6** *P* **33** *L* **4** # r01-9

Lewis, David — Lumentum

Comment Type **TR** *Comment Status* **A**

We need to include an allowance for MPI penalty in the link budget for 25GBASE-LR. According to http://www.ieee802.org/3/cc/public/adhoc/170614/king_01_25gsmf_061417.pdf, the penalty needs to be 0.7 dB for lecacy cable plants used for 10GBASE-LR.

SuggestedRemedy

Table 114-6: change Transmitter reflectance (max) from -12 to -26 dB. Table 114-7: change Receiver sensitivity (OMA) (max) from -11.3 to -12 dBm and change Stressed receiver sentivity (OMA) (max) from -8.8 to -9.5 dBm. Table 114-8: change Power budget (for maximum TDP) from 9 to 9.7 dB, change maximum discrete reflectance from -26 to "see table xxx", and change Allocation for penalties (for maximum TDP) from 2.7 to 3.4 dB. Add a new table xxx with combinations of -26 and -35 dB connectors that are supported based on an MPI penalty of 0.7 dB. These changes will be detailed in a presentation at the Berlin task force meeting.

Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

Implement the following changes:

1. Table 114-6: Change Transmitter reflectance (max) from -12 to -26 dB.
2. Table 114-7: Change Receiver sensitivity (OMA) (max) from -11.3 to -12 dBm for 25GBASE-LR.
3. Table 114-7: Change Stressed receiver sentivity (OMA) (max) from -8.8 to -9.5 dBm for 25GBASE-LR.
4. Table 114-8: Change Power budget (for maximum TDP) from 9 to 9.7 dB for 25GBASE-LR.
5. Table 114-8: Change Allocation for penalties (for maximum TDP) from 2.7 to 3.4 dB for 25GBASE-LR.
6. Table 114-8: Add new footnote "c" to the maximum discrete reflectance of 25GBASE-LR that says, "The number of maximum discrete reflectances in the range > –35 dB and =< –26 dB is at most 3; the number of maximum discrete reflectances =< –35 dB is at most 6; and the total number of maximum discrete reflectances is at most 6."
7. Table 114-8: Change footnote label of existing footnote "c" to "d".

Cl **114** *SC* **114.6** *P* **33** *L* **4** # r01-10

Lewis, David — Lumentum

Comment Type **TR** *Comment Status* **A**

We need to include an allowance for MPI penalty in the link budget for 25GBASE-ER. According to http://www.ieee802.org/3/cc/public/adhoc/170614/king_01_25gsmf_061417.pdf, the penalty needs to be 0.7 dB for lecacy cable plants used for 10GBASE-LR.

SuggestedRemedy

Table 114-6: change Transmitter reflectance (max) from -12 to -26 dB. Table 114-8: change Channel insertion loss (max) from 15 and 18 to 15 - value in Table yyy and 18 - value in Table yyy, change maximum discrete reflectance from -26 to "see Table yyy". Add a new Table yyy with combinations of -26 and -35 dB connectors and corresponding entries to be subtracted from Channel insertion loss (max) for MPI penalty. These changes will be detailed in a presentation at the Berlin task force meeting.

Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

Implement the following changes:

1. In Table 114-6: Change Transmitter reflectance (max) from "-12" to "-26" dB.
2. In Table 114-8: Change Channel insertion loss (max) from "18" to "18 minus insertion loss values per Table 114-12" for 25GBASE-ER.
3. In Table 114-8: Change additional insertion loss allowed from "3" to "3 minus insertion loss values per Table 114-12" for 25GBASE-ER..
4. In Table 114-8: Change maximum discrete reflectance from "-26" to "see Table 114-12" for 25GBASE-ER..
5. Add Table 114-12 to Clause 114.9 per lewis_01_3cc_0717.pdf with editorial license.

Cl **0** *SC* **0** *P* *L* # r01-11

Perry, Lisa

Comment Type **G** *Comment Status* **A**

This draft meets all editorial requirements.

SuggestedRemedy

Response *Response Status* **C**

ACCEPT.