Cl **45** *SC* **45.2.1.10** *P* **39** *L* **40** # 1487

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

Register 1.11 already contains P2MP capability and does not require any extensions to cover EPoC. Register 1.12 should be extended to cover EPON and EPoC alike.

SuggestedRemedy

Remove 45.2.1.10 and include 1.12 as shown in hajduczenia_3bn_01_0314

Proposed Response *Response Status* **O**

Cl **45** *SC* **45.2.1.60e** *P* **36** *L* **1** # 1490

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

The relationship between register 1.113 and register set 1.114, 1.115. 1.116 is not clear at this time. In 1.114, 1.115. 1.116, we specift the start frequency, search step and other parameters. in 1.113 we specify some start subcarriers for PHY-Link.

SuggestedRemedy

Insert a drawing that represents the relationship between individual parameters included in registers 1.113/4/5/6.
It is not clear why 1.113 needs to be separate from 1.114, 1.115. 1.116, if they all cover DS PHY-Link channel definitions.

Proposed Response *Response Status* **O**

Cl **45** *SC* **45.2.1.60e.2** *P* **36** *L* **36** # 1492

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

Relationship between 1.114.13 and 1.114.14 is very unclear right now. For example, what value will 1.114.14 have when 1.114.13 becomes 1? Is it reset to 0 then?

SuggestedRemedy

Clarify how these two bits are used in conjunction, perhaps through description in Clause 102, or even better - in Clause 102 and Clause 45 together

Proposed Response *Response Status* **O**

Cl **45** *SC* **45.2.7a.1** *P* **38** *L* **17** # 1481

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Comment Type **T** *Comment Status* **D**

Structure of register show in table Table 45–191a is very confusing.

SuggestedRemedy

12.0.15:12 should cover sub-carrier 0, 12.0.11:8 - sub-carrier 1 and so on. Right now one has to read from the bottom of the tabel to the top, which is reversed.
Also, mapping of individual bits into specific modulation formats should be defined through an external table - see hajduczenia_3bn_02_0314, hajduczenia_3bn_03_0314, or hajduczenia_3bn_04_0314 for examples of such definitions

Proposed Response *Response Status* **O**

Cl **45** *SC* **45.2.7a.1** *P* **38** *L* **36** # 1497

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

Unclear definitions included in Table 45–191a. What does it mean:
0000 = null - no data is being transmitted? What purpose does it serve?
0001 = BPSK and 0010 = QPSK were never discussed and never proposed for EPoC
Other values that were neither discussed nor approved need to be also pulled out from this register.

SuggestedRemedy

Remove all values that are not intended to be used for downstream. Leave 8k QAM and 16k QAM - the rest is not intended to be used in downstream anyway (no approved decision) so why do we even bother storing them in registers?

Proposed Response *Response Status* **O**

Cl **45** *SC* **45.2.7a.1** *P* **38** *L* **40** # 1496

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

What does it mean "0011 = 8-QAM(support optional)" - it implies that support for 8-QAM in teh given PHY is optional (if so, such statements ought to part of PMD clause, and not indicated in register) or that support for this register setting is optional (in this case, 0011 combination woudl not be tested for mandatory compliance)

SuggestedRemedy

Statements about PHY support for specific modulation formats (mandatory and operation) need to be made in PMD clause

Proposed Response *Response Status* **O**