IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 5th Task Force review comments

Comments Received

# 3610
Cl 101 SC 101.4.1.1 P 170 L 11 # 3610
Remein, Duane Huawei

Comment Type E Comment Status X

Given that ModTypeSC(n) are the only variables we are defining as part of a Profile Table 101-7 seems unnecessary.

SuggestedRemedy
Delete Table 101-7, replace the first and second paragraph with "In the EPoC upstream and downstream link the OFDM profile is defined by the DS_ModTypeSC(n) and US_ModTypeSC(n) variables, respectively. Two copies of each profile variable set exist; an active copy and an inactive copy. During a profile switch (see 102.2.3.1) the network switches operation from the currently active profile to the inactive profile. Note that for the downstream profile there are five ODM channels; the channel referred to by the DS_ModTypeSC(n) variable set is determined by the DS_OFDM_ID variable."

Proposed Response Response Status O

# 3611
Cl 45 SC 45.2.7.1.7 P 33 L 1 # 3611
Remein, Duane Huawei

Comment Type E Comment Status X

45.2.7.1.7 should be 45.2.7a.6.1
45.2.7.1.8 should be 45.2.7a.6.2

SuggestedRemedy
Per comment included in remein_3bn_10_0715

Proposed Response Response Status O

# 3612
Cl 45 SC 45.5 P 66 L 4 # 3612
Remein, Duane Huawei

Comment Type T Comment Status X

PICS update for Clause 45

SuggestedRemedy
Incorporate PICS from remein_3bn_10_0715

Proposed Response Response Status O
This paragraph is not clear. It states that Nulled SC are not required to be used as pilots ("may be") but requires that they are modulated using the 13-bit linear feedback S/R that is exclusively "for the pilot modulation Pseudo-Random Sequence". It is not clear if this is the same S/R or another instantiation of the S/R. "Nulled subcarriers do not carry MAC or PHY Link data but may be used as pilots. Nulled subcarriers are BPSK modulated using the pseudo-random sequence generated by the 13-bit linear feedback shift register, illustrated in Figure 101-25 except when being used as a scattered pilot in the downstream direction (see 101.4.2.6.1)."

**Suggested Remedy**

"Nulled subcarriers do not carry MAC or PHY Link data but are used as pilots and are BPSK modulated using the pseudo-random sequence generated by the 13-bit linear feedback shift register, illustrated in Figure 101-25 and are boosted as per 101.4.2.10.1."

**Proposed Response**

Response Status: O

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The term "control header" is not defined. Elsewhere in the draft this phrase is used exclusively to refer to the Probe Control Header.

**Suggested Remedy**

I believe this is referring to the Sync Head bit. Change to read: "64B/66B sync header bit"

**Proposed Response**

Response Status: O