

In support of comment #9

Leon Bruckman (Huawei)

References

- “100GBASE ZR Draft 802.3ct_D1p0.pdf”, Private Area
- trowbridge_3cn_01a_0119.pdf, IEEE P802.3cn Task Force, Long Beach, January 2019

Cl 153 SC 153.2.3.2.4 P 87 L 23 # 9

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Comment Type TR *Comment Status* D

The note may mislead people to think that the 100GBASE-RZ signal is interoperable with an OTU4 interface, but this is not the case since all OAM fields of an OTU4 signal (except FAS, MFAS and PT) are not assigned in a 100GBASE-RZ signal.

SuggestedRemedy

I recommend to consider one of the following options:

- 1 - Do not define the PT and remove the note
- 2 - Just remove the note

Proposed Response *Response Status* W

PROPOSED REJECT.
Filling in the FAS, MFAS, and PT are part of the adopted baseline.
The wording is "may facilitate interconnection with", not "will interoperate with". It is fully correct that more is needed (e.g., the far end needs to be able to be provisioned to ignore other overheads not filled in by a 100GBASE-ZR PHY).

Background

- PT appears in slide 13 of trowbridge_3cn_01a_0119.pdf
- Slides 9-16 of this presentation were adopted as baselines
 - There is no record of any discussion regarding the need of PT in the presentation or the meeting minutes
 - Another field (CSF) was also mentioned in the same slide and slide 14 discusses its use in some detail
 - It is not apparent from the presentation and the motion if CSF is required, but it was omitted from the draft (good idea in my opinion...)
- Draft 1.0 requires only to transmit PT but there is no requirement to monitor it
- There is a note in Draft 1.0 saying:
 - This matches the Payload Type field value used in ITU-T G.709 for 100GBASE-R signals mapped into OPU4, and may facilitate interconnection with these implementations.

The OTU4 frame

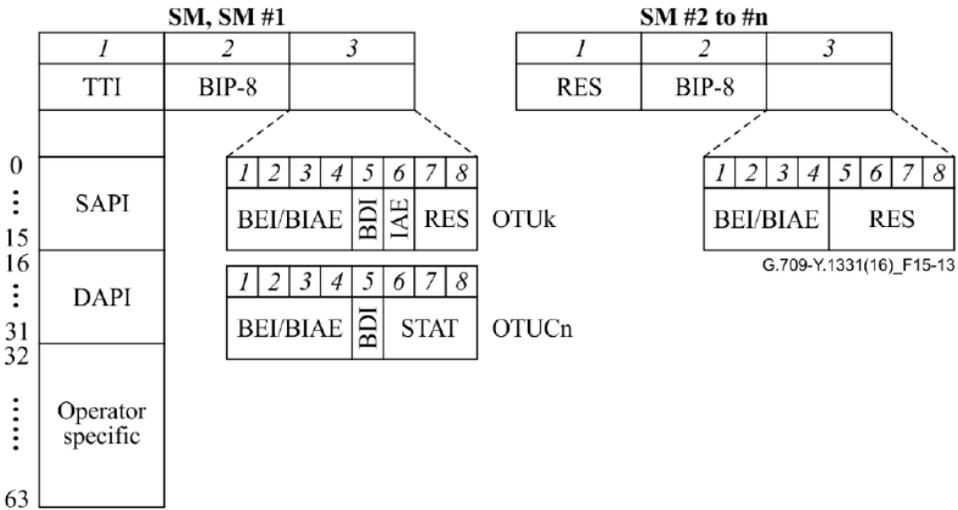
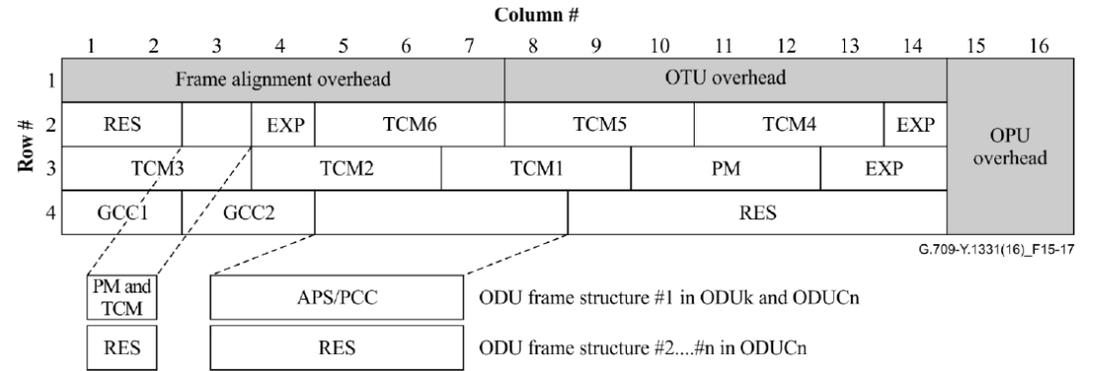
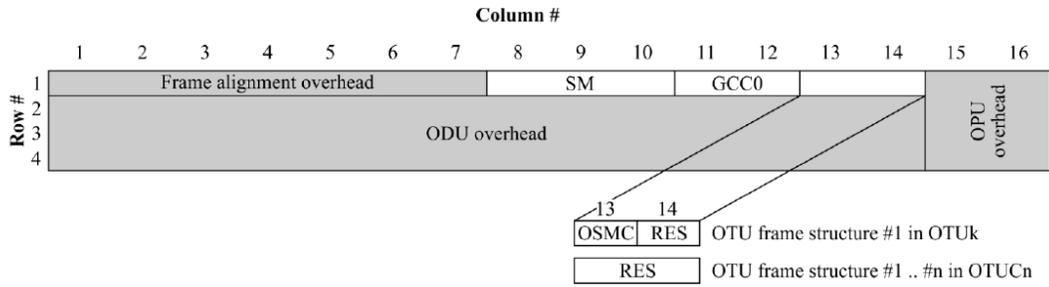
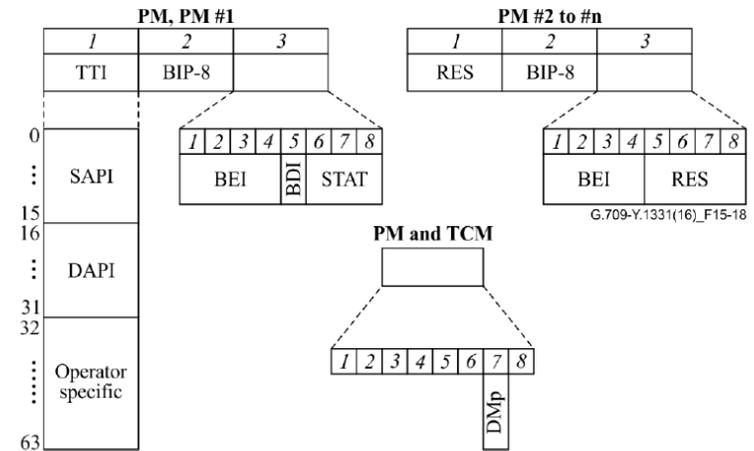


Figure 15-17 – ODU overhead



Discussion

- It is agreed that the 400GBASE-ZR signal is not interoperable with OTU4 since most of the OTU4 fields are missing.
- PT is not required for 400GBASE-ZR.
- It is not clear why PT facilitates interconnection with OTN implementations more than any other OTU overhead field.
- Suggestions:
 - Remove the requirement for PT transmission
 - Change the Note to:
 - Interworking with OTU4 is supported if OTU4 and ODU4 overhead is operated as specified in G.709 and G.798