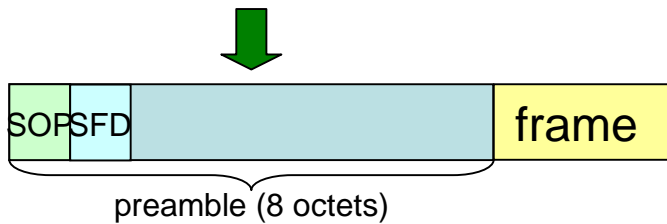
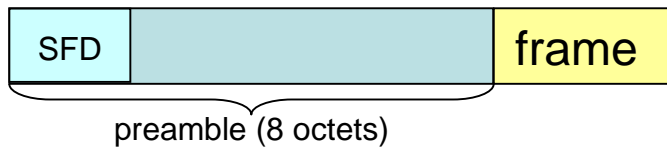
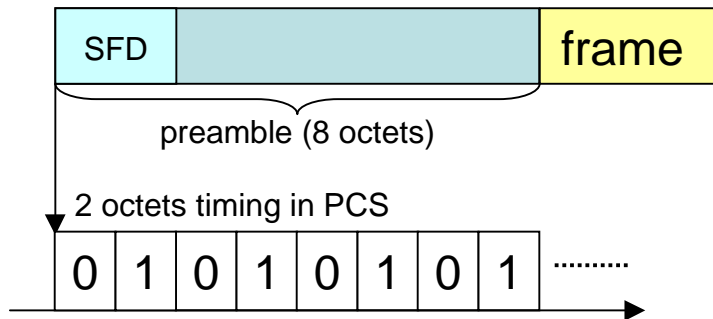
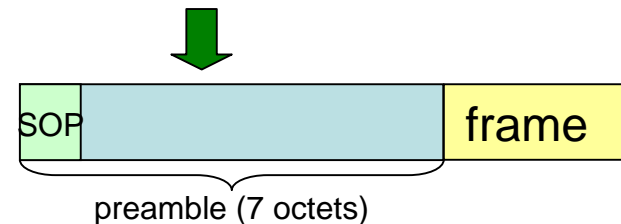
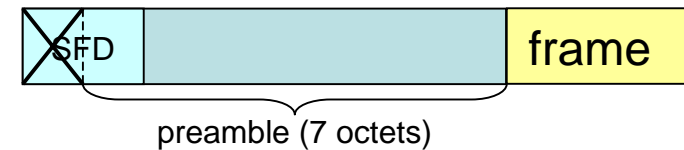
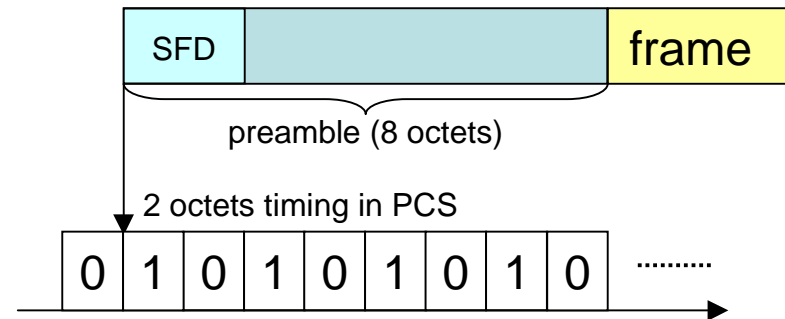


Problem

- The preamble may be 7 or 8 octets long on the transmission side because of the PCS function. The PCS performs with 2 octets timing.
- In both case, SOP code substitute for the first byte.



Case (a)



Case (b)

Problem (cont.)

- In case (a), SFD can be transparently transferred to the receiving side.
- In case (b), SFD is overwritten with SOP code. As a result, *there is no delimiter which can indicate start of preamble.*

Proposal

- Length of SFD
 - 2 octets long → 3 octets long
- Calculation range of preamble CRC
 - entire preamble → 3rd – 7th octets in preamble
(1st and 2nd octets are excluded.)

