End of Burst Position

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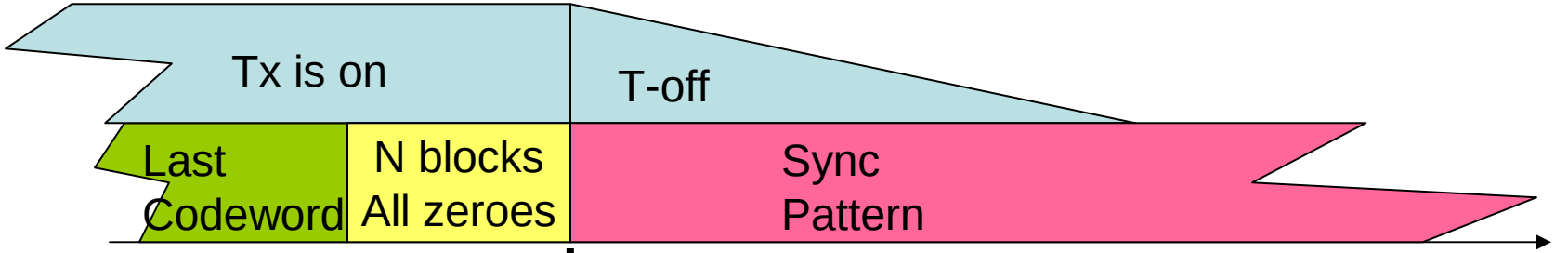
Consensus position

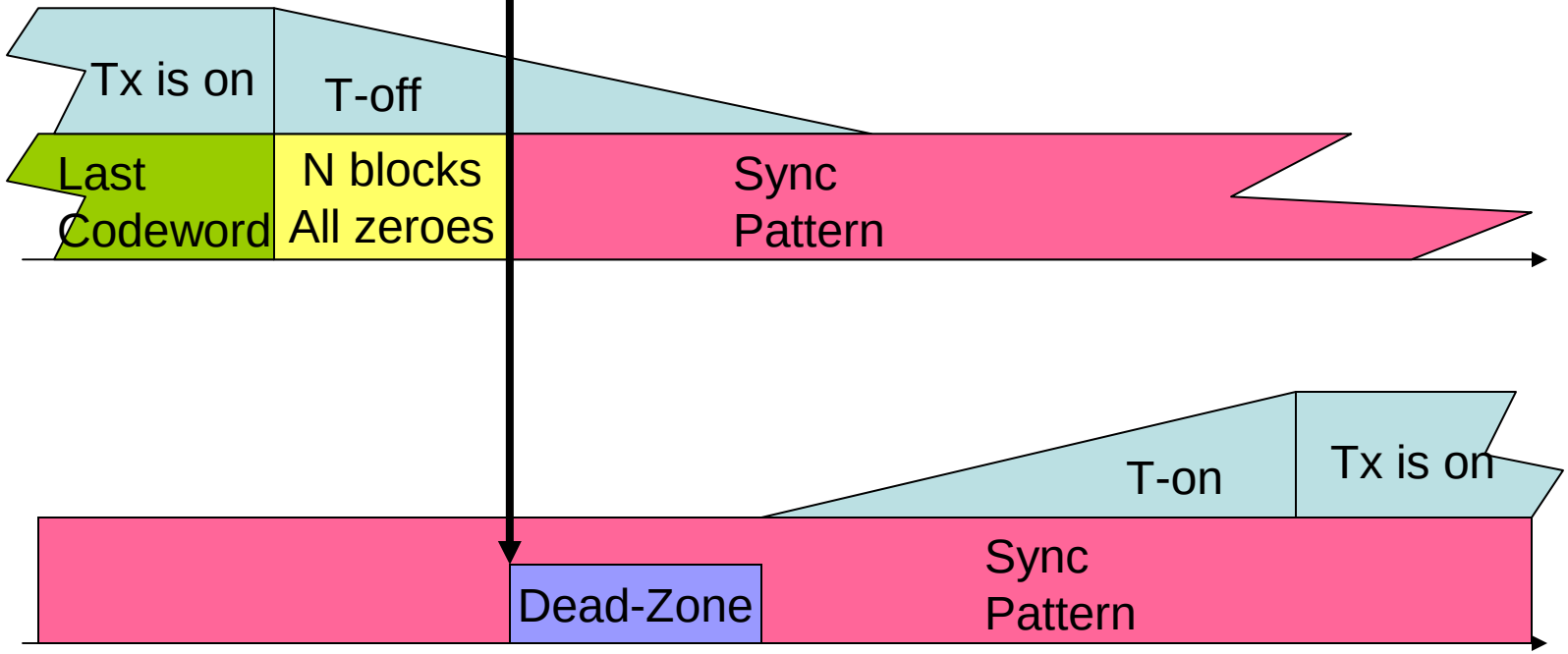
- We will use an EOB pattern to detect the end of the burst
- That pattern will be all zeroes
- That pattern will be generated at the PCS

The options

Option A: EOB is part of burst



Option B: EOB is transmitted during T-off



Timing relationships

- Option A leaves the current burst timing relationships unchanged
  - Start of next T-receiver settling = max(Ton+deadtime, Toff)+end of last burst
  - Keep in mind that end of last burst is later here
- Option B changes this somewhat
  - Start of next T-receiver_settling = max(Ton+deadtime+Nzeroes, Toff) + end of last burst
- In most cases, there is no difference in overhead
  - If Toff is longer then Ton, then option b is more efficient, but this is usually not the case

Shut down output

- Option B results in faster and cleaner Tx shut-down