20 March 2025

IETF 122 draft-ietf-mlcodec-opus-extension



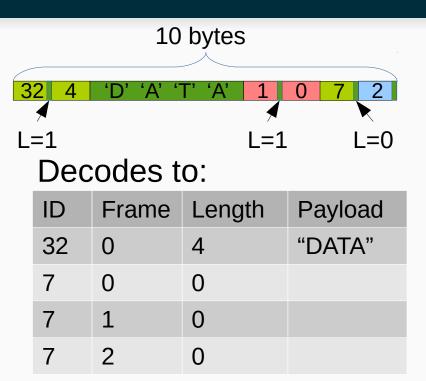
Draft Status

• -03 published with Repeat These Extensions

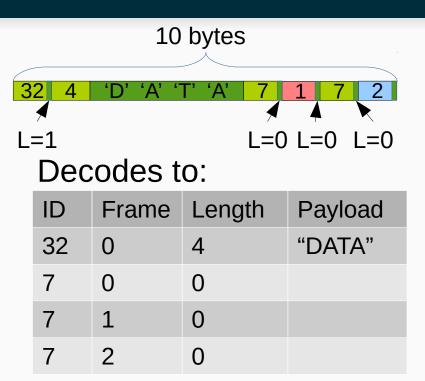
RTE Update

- Randomized testing found one case we had not considered
- What happens for a frame separator with an explicit increment of 0?
 - Existing text: "...all of the non-padding extensions seen so far in the current frame" get repeated
 - Initial implementation: updated the pointer to the first extension to repeat after a frame separator even if the increment was zero

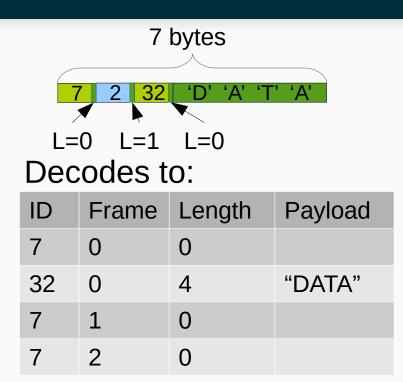
Example: 60ms packet with 3×20 ms frames



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Proposal

- Frame separator with an explicit increment of 0 treated just like another form of padding
 - Do not update the pointer to the first extension to repeat
 - Do not repeat the separator extension!
- Follows spirit of existing text
- Add clarifying text to make this explicit:
 - "Padding extensions (ID=0) are not repeated, nor is any frame separator (ID=1) with an increment of 0 (which simply acts as another form of padding)."
- Implementation already updated to follow this proposal (was a 1-line change)

Questions?

Opus Extension Format

