SCHC over DtS-IoT

draft-munoz-schc-over-dts-iot

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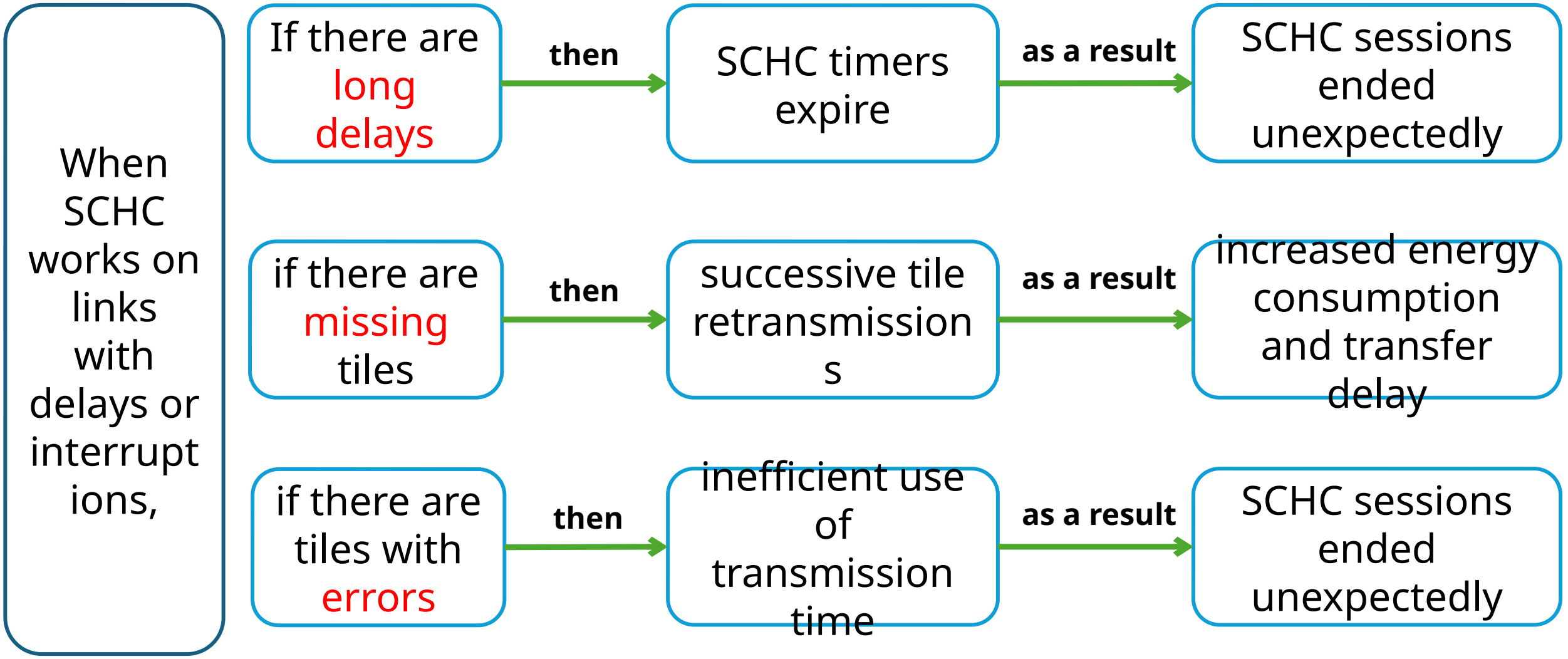
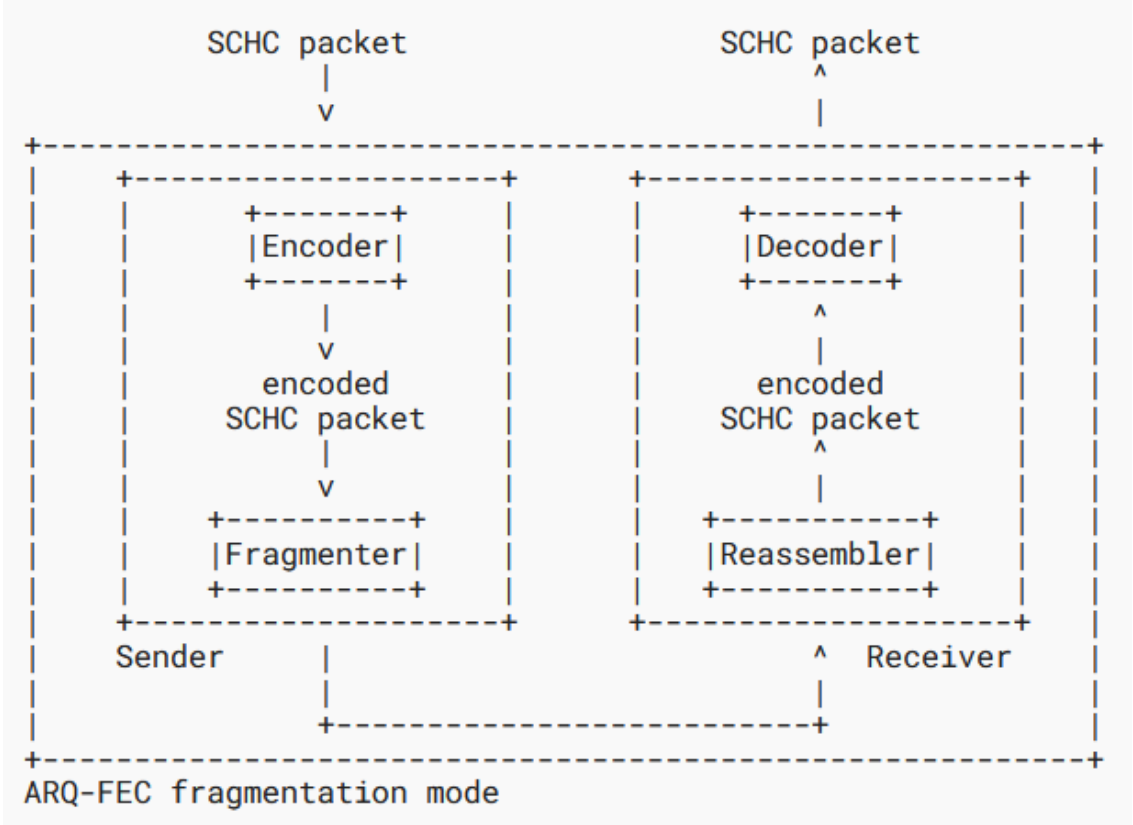
Let us recall the problem…



The scope of the draft

- Brief explanation of SCHC in a DtS-IoT scenario
- The new SCHC ARQ-FEC fragmentation sublayer
  - Encoding and Decoding process
  - Fragmentation and Reassembly



Differences between draft versions

draft-munoz-schc-over-dts-iot-00

- Focused on a DtS-IoT scenario
- The encoding process is at the byte level.
- The profile cannot define the size of the symbol.

draft-munoz-schc-over-dts-iot-01

- Focused on communication that may or may not experience delays or disruptions.
- The encoding process is at the symbol level. Each profile defines the symbol size based on the Error Correction Code
- Error correction at the SCHC fragment level

Thanks for your attention

Questions?

References

- [1] R. Munoz-Lara, S. Céspedes and M. Diaz, "SCHC over DtS-IoT: Performance of SCHC Confirmation Modes in Satellite IoT," *2024 IEEE 10th World Forum on Internet of Things (WF-IoT)*, Ottawa, ON, Canada, 2024