# draft-ietf-lpwan-schc-over-sigfox-01
# &
# PySCHC Implementation

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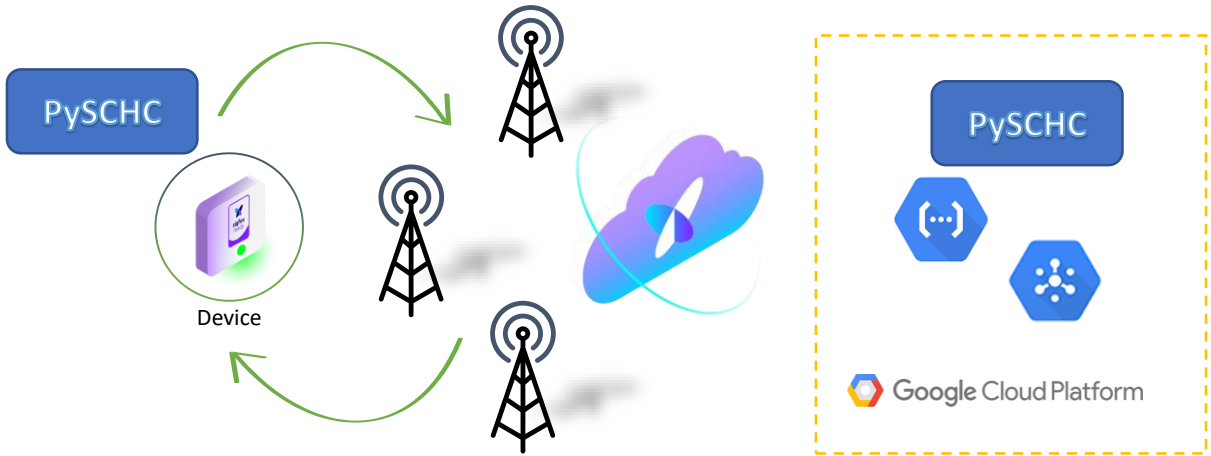
# Draft Status

- Added more parameters for **ACK-on-Error data fragmentation and integrity mode** on draft-ietf-lpwan-schc-over-sigfox-01

- Tested new parameters over **University of Chile's PySCHC** implementation for different payload sizes, such as:
  - Text file – 53 bytes
  - Small png Image – 356 bytes

# Network Architecture

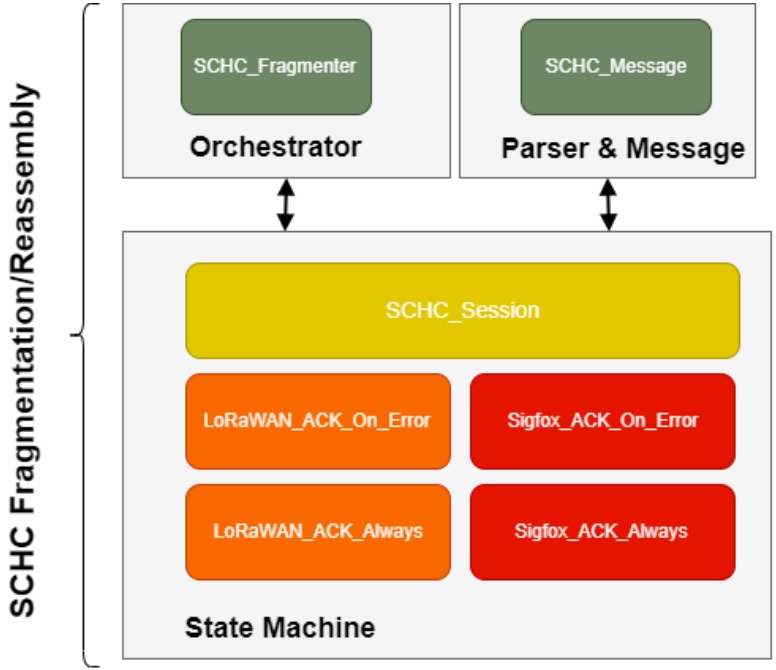
- PySCHC SW
- Pycom
- Sigfox Network
- Google Cloud *




* https://cloud.google.com/community/tutorials/sigfox-gw

# PySCHC SW Architecture

- SCHC Fragmenter : **ACK-on-Error**
- SCHC Profile : **Sigfox**
- Dev platform : **Pycom**
- App platform : **Google Cloud**



# Next Steps

- Usage of [Sigfox Sequence #] on SCHC Receiver to optimize SCHC ACK transmissions in ACK-on-Error (e.g. All-1 fragment)

- Fine-tuning of:
  - Timers
  - SCHC Header fields (Rules, DTag, etc.)

- Interoperability can also help fine-tuning protocol parameters