

# ICN-LoWPAN

draft-gundogan-icnrg-ccnlowpan-02  
ICNRG Interim, Boston, 2018

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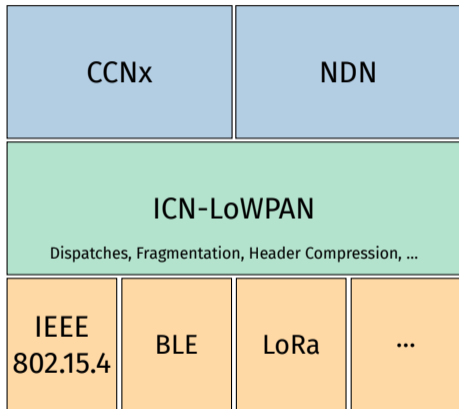
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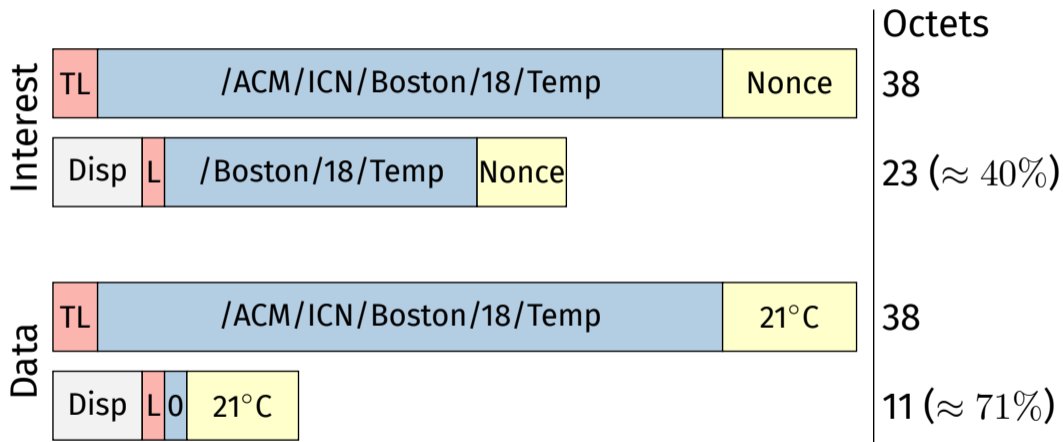
<sup>3</sup>University of Basel

September 24, 2018

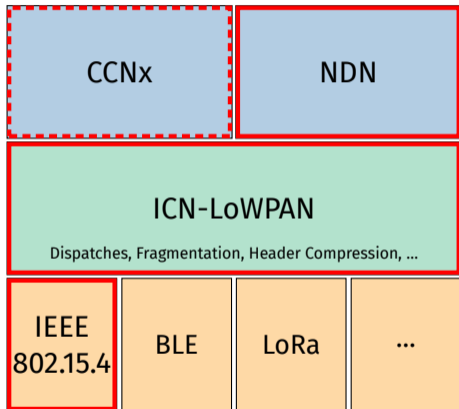
# ICN-LoWPAN Architecture



# Dispatch & Header Compression



# Current Draft State



# Current Implementation State

## libICNL

- ▶ NDN v0.2 (✓)
- ▶ NDN v0.3 (✓)
- ▶ CCNx ✗

## RIOT

- ▶ 6LoWPAN refactoring ✓
- ▶ libICNL integration (✓)
- ▶ BLE & LoRa drivers ✓

## CCN-lite

- ▶ ICN-LoWPAN integration (✓)

## NDN-RIOT

- ▶ ICN-LoWPAN integration ✗

# Draft

## Version History

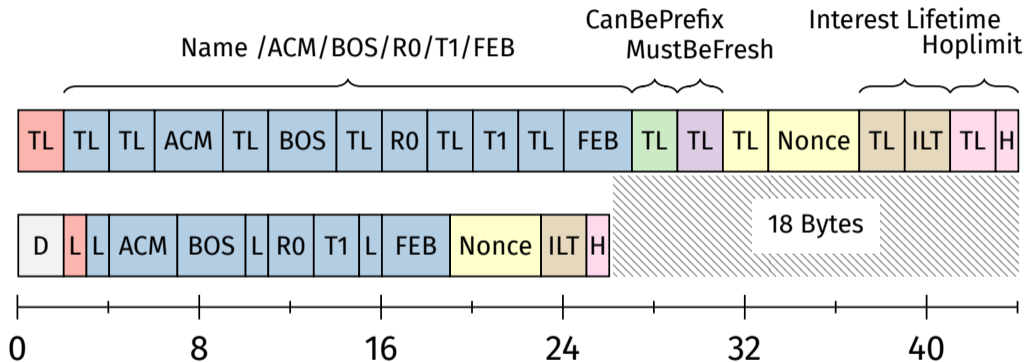
- ▶ September 22, 2017 -00
- ▶ March 5, 2018 -01
- ▶ July 16, 2018 -02

## Next Steps

- ▶ Complete Stateless HC (CCNx)
- ▶ BLE & LoRa & NB-IoT

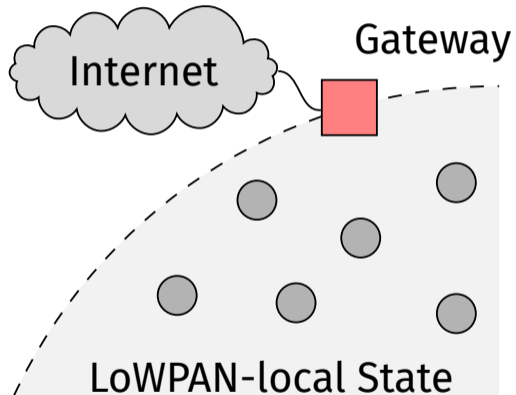
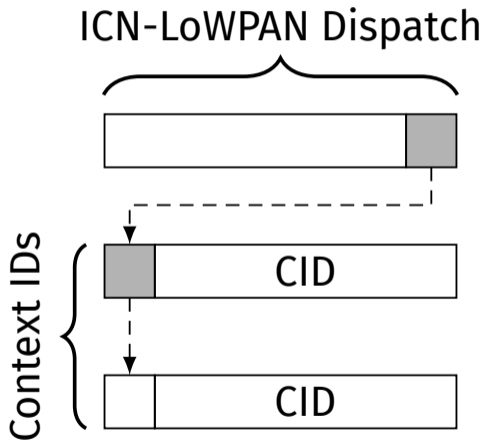
# Backup

# Stateless Header Compression





# Stateful Header Compression: LoWPAN-local



# Stateful Header Compression: En-Route

