

ICN LoWPAN

draft-irtf-icnrg-icnlowpan-05

ICNRG Interim, Macau

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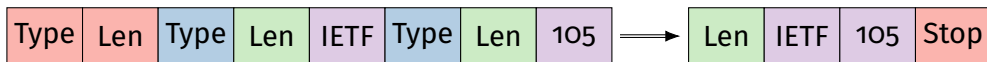
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September 27, 2019

Recap Discussion: Name Compression for NDN and CCNx

Current State



Limitations

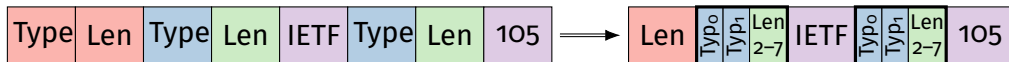
- ▶ All NameComponents must be of type *GenericNameComponent*
- ▶ Length of NameComponents is limited to $1 \leq x \leq 15$

Question: Should we include Types in the compressed representation?

Alternative Name Compressions

1. Encode frequently (?) used name component types

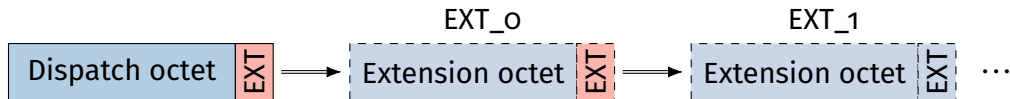
- ▶ **CCNx:** T_NAMESEGMENT, T_IPID, T_CHUNK, T_VERSION
- ▶ **NDN:** Generic, Timestamp, Version, SequenceNumber
- ▶ List is not complete, new frequently used types may be defined in future



2. Dictionary-based compression populated statically/dynamically

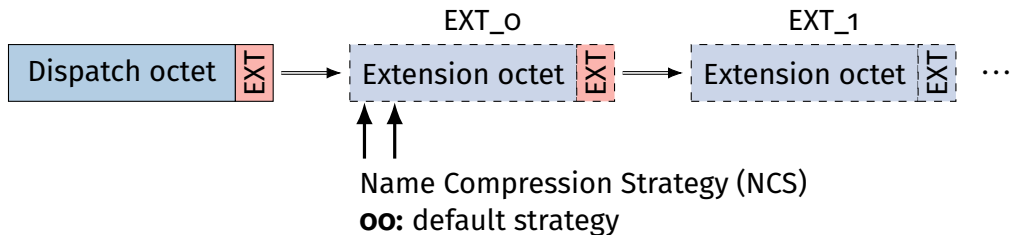
Draft Update (04 \Rightarrow 05)

- Add *extension octets* to allow for extensibility of base dispatch octets



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Ready for RG last call?