Design Choices and Differences for NDN and CCN Implementations of Information Centric Networking
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Abstract

The purpose of this draft is to document the discussions of the ICN Harmonization Study Group regarding the architectural or design choices made in the NDN and CCN implementations and to describe the rationale (if any) underlying the choices.

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# Introduction

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# Conventions used in this document

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119 [RFC2119].

# Background

<common starting point>

# Architecture & Design Topics

<. . .>

## Naming

<. . .>

### NDN Approach

<Design, Implementation, Rationale>

### CCN Approach

<Design, Implementation, Rationale>

### Discussion

<non-judgmental discussion of implications of design choices vis-à-vis performance, evolution constraints, etc>

## Name Discovery, Interest Refinement (eg Selectors)

## Data Referencing and Retrieval

## Cache Control

## Cache Verification

## Interest Payloads

## Packet Structure and Packet Encoding

## Link and Network Adaptation

## Fragmentation

## Forwarding / Interest Looping

## Interest Aggregation

## Data Security

## Data Digest

# Security Considerations

<. . .>

# Acknowledgements

<. . .>

This document was prepared using 2-Word-v2.0.template.dot.

# IANA Considerations

This memo includes no request to IANA

# Conclusions

<. . .>

# References

## Normative References

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997.

## Informative References

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