

TRILL Header Extension Simplifications

Donald Eastlake 3rd

Huawei Technologies

d3e3e3@gmail.com

TRILL Data Frame Format

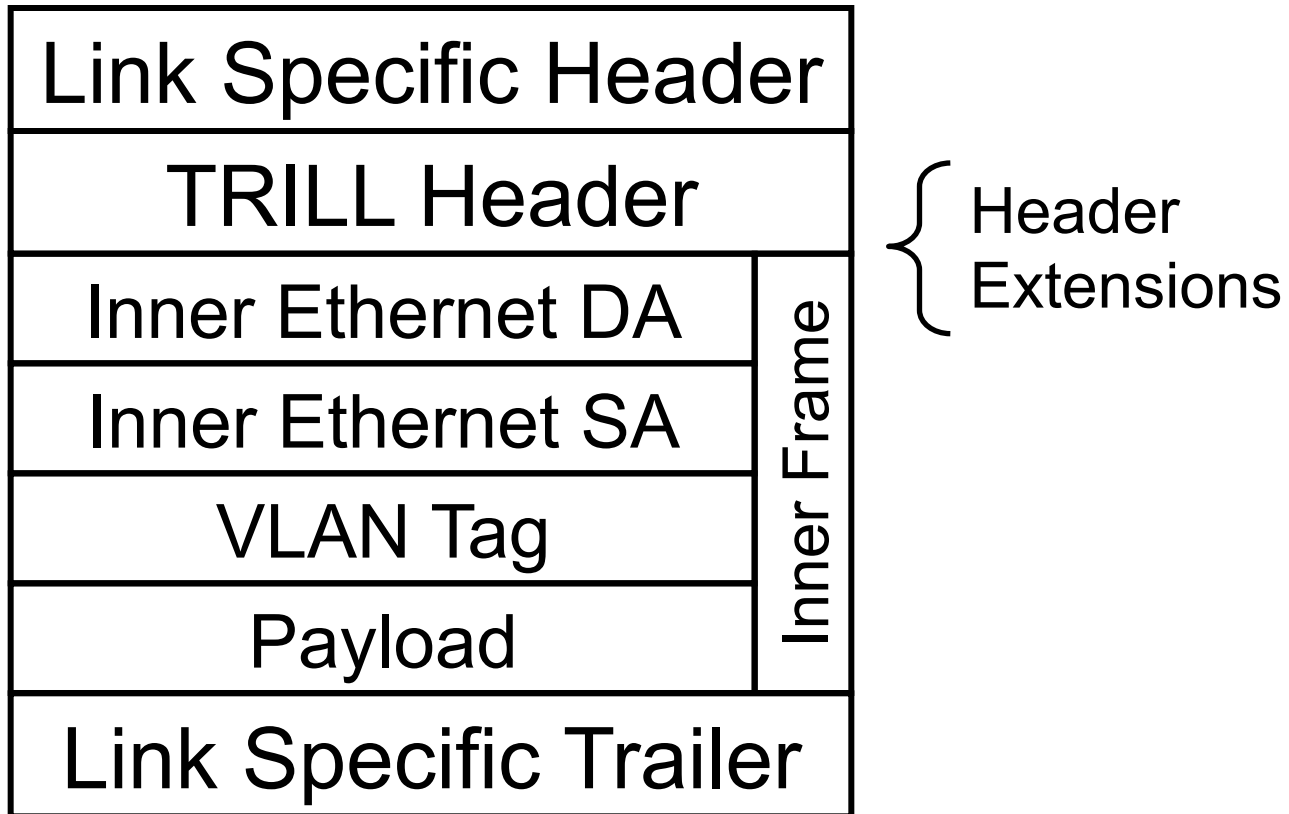
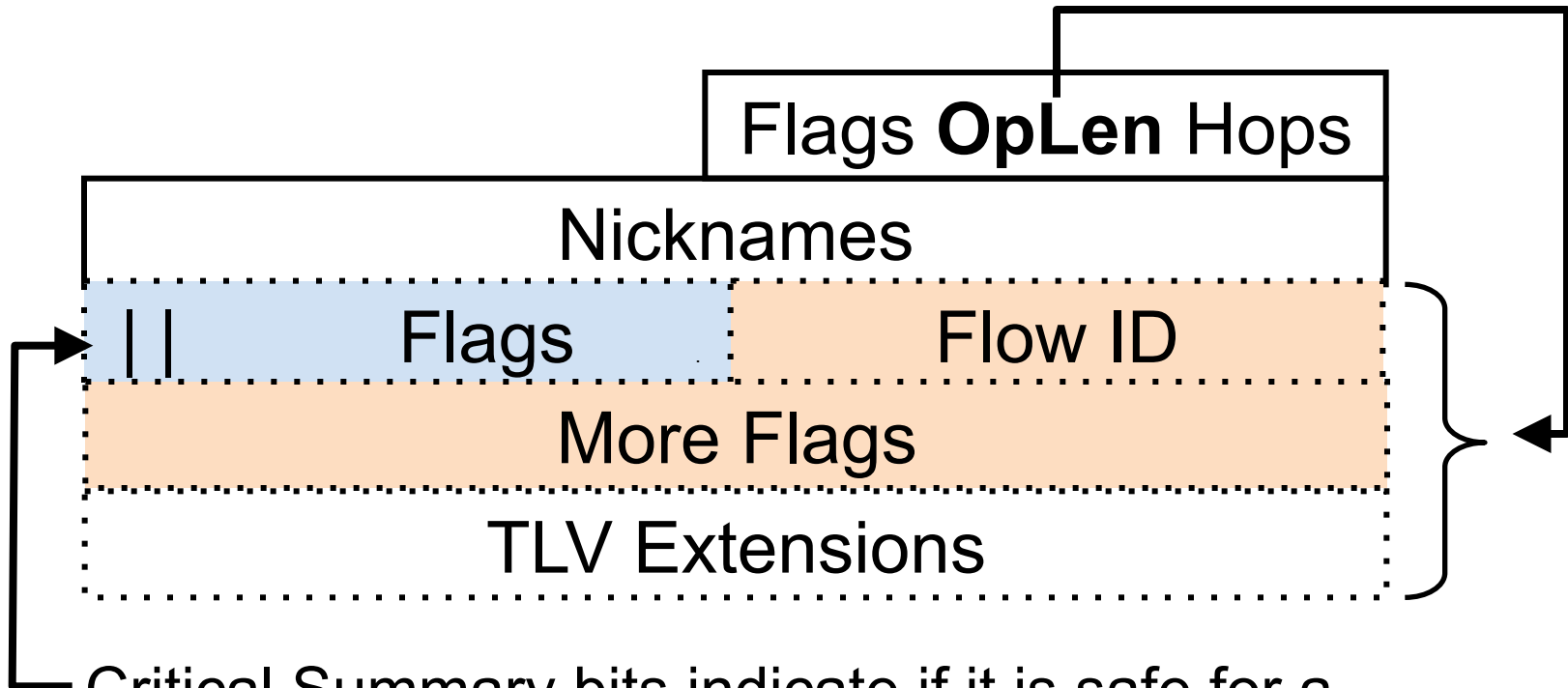


Table of Contents

- Current Header Extensions/Options
 - draft-ietf-trill-rbridge-options-05.txt
- Proposed Changes
- Summary of Proposal

Current TRILL Header

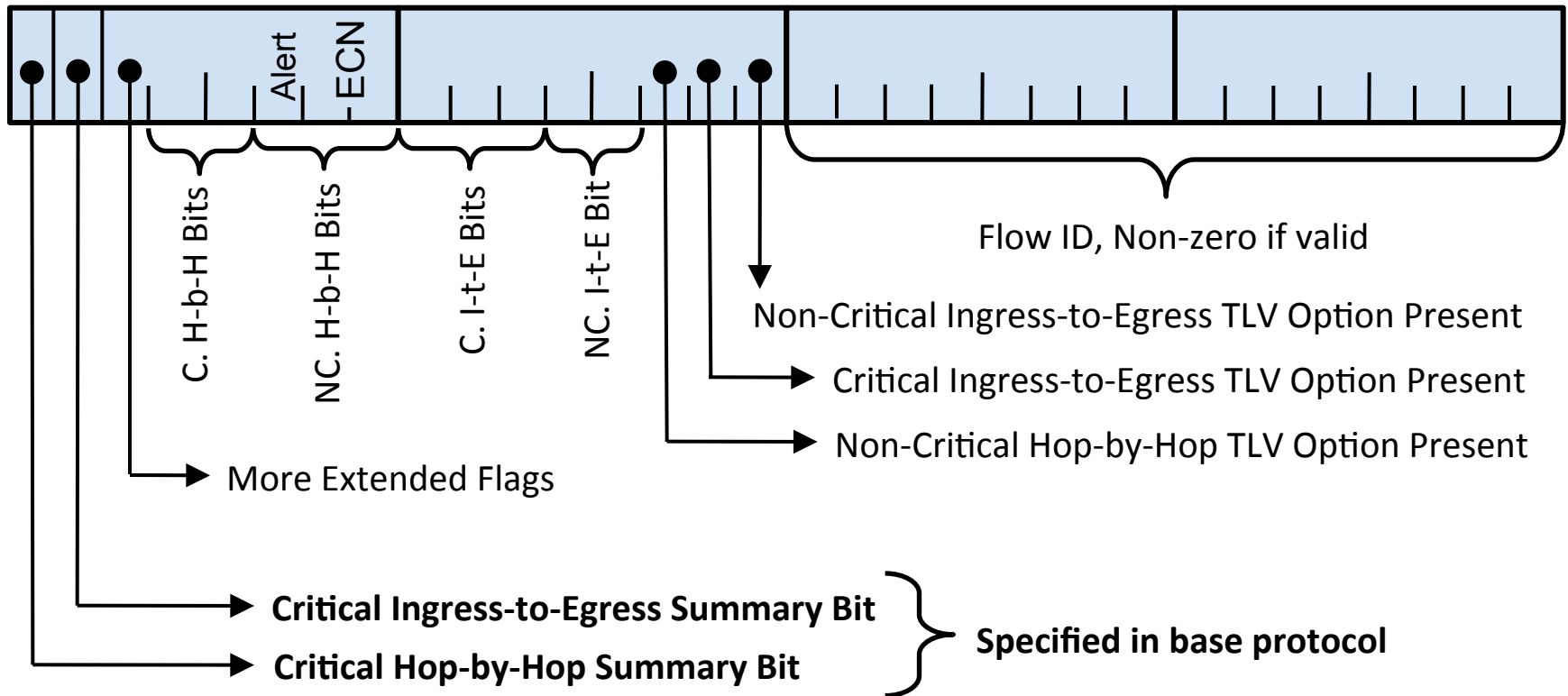


Critical Summary bits indicate if it is safe for a transit or egress RBridge that does not implement any extensions to process the frame.

Current Header Extensions

First 32 Bits

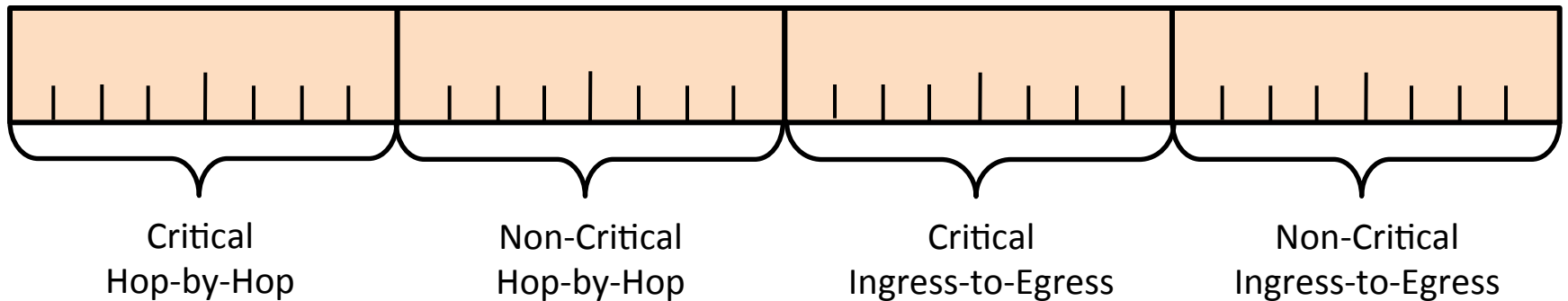
- Present if Ext/OpLng in TRILL Header > 0



Current Header Extensions

Second 32 Bits

- If “More Extended Flags” bit is a one, there are 4 bytes of additional extended header flags as follows:



Current TLV Format

- Format of TLV Extensions

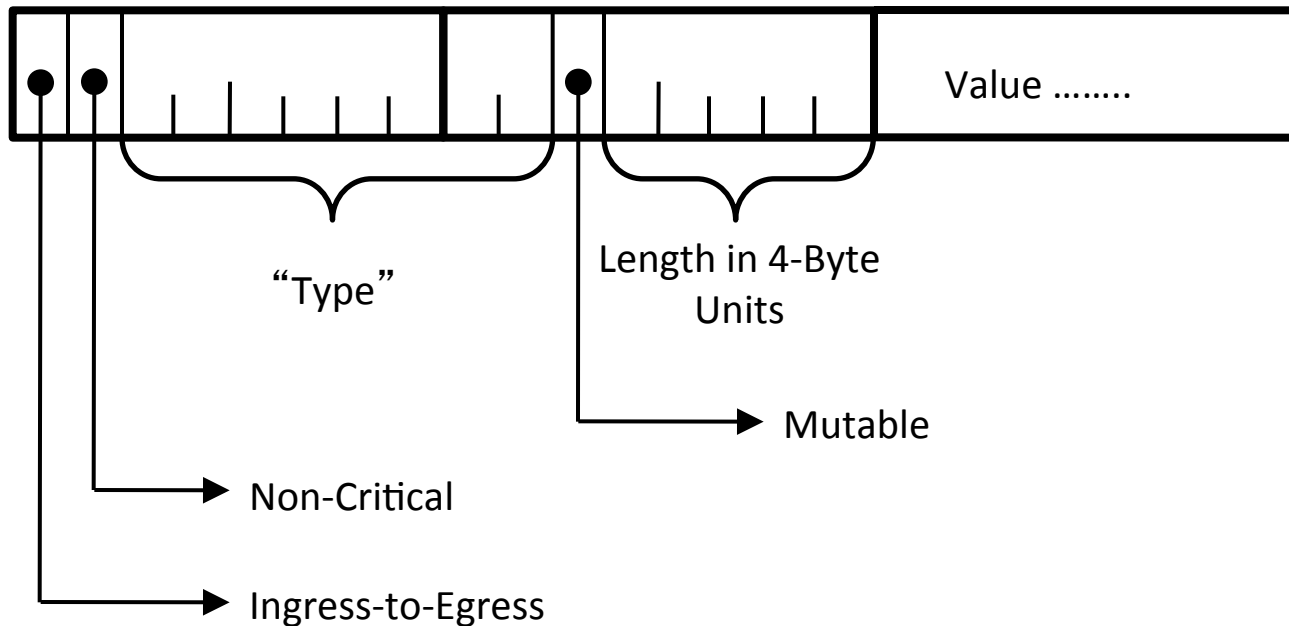
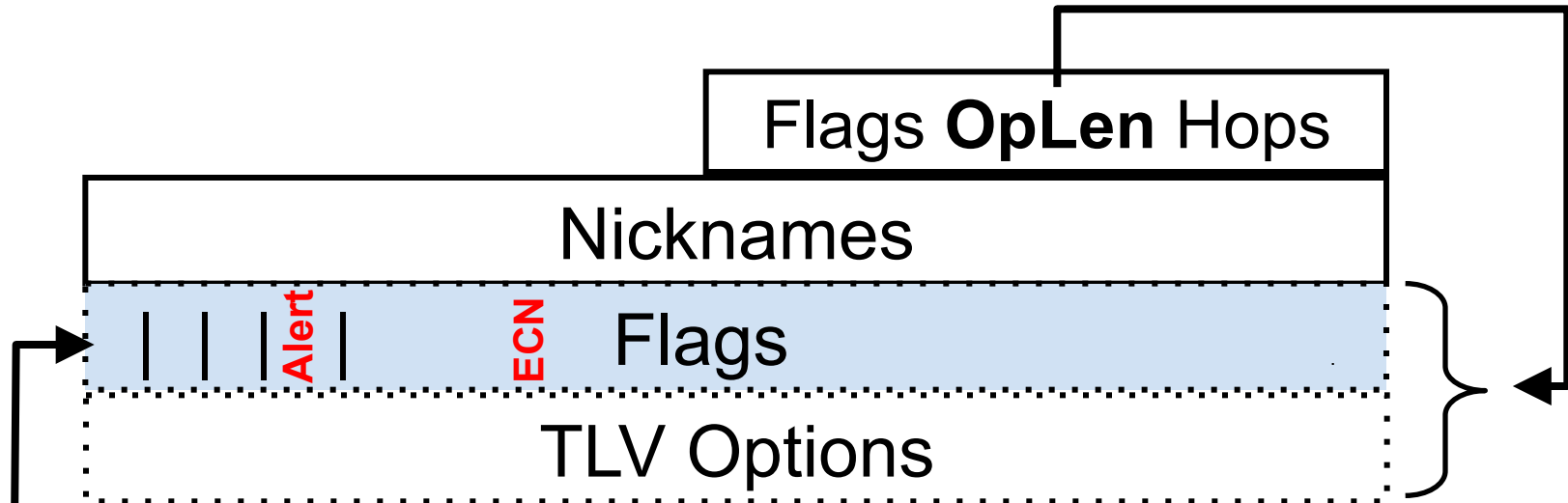


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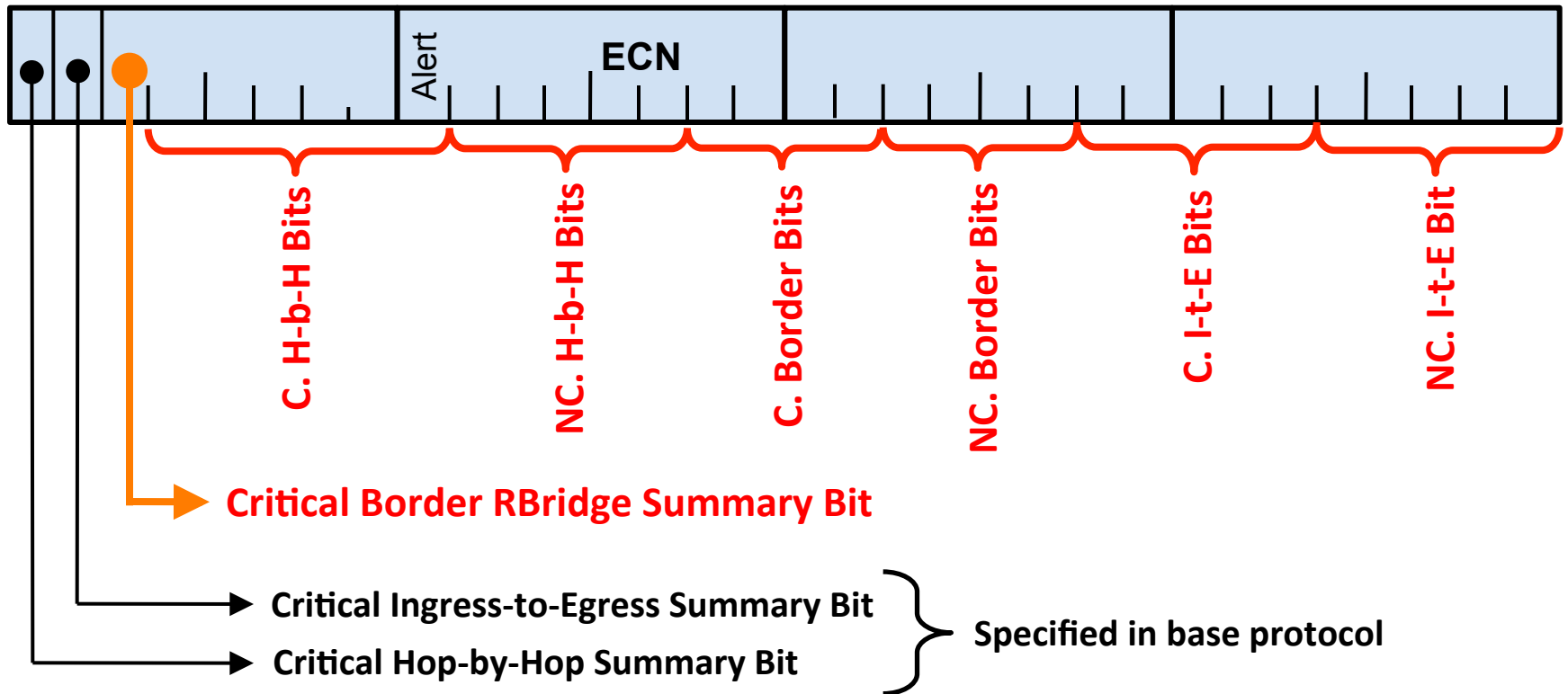
Proposed TRILL Header



Critical Summary bits indicate if it is safe for a transit, egress, **or border** RBridge that does not implement any extensions to process the frame.

Proposed Header Extended Flag Bits

- Present if Ext/OpLng in TRILL Header > 0



Proposed TLV Format

- Format of TLV Extensions

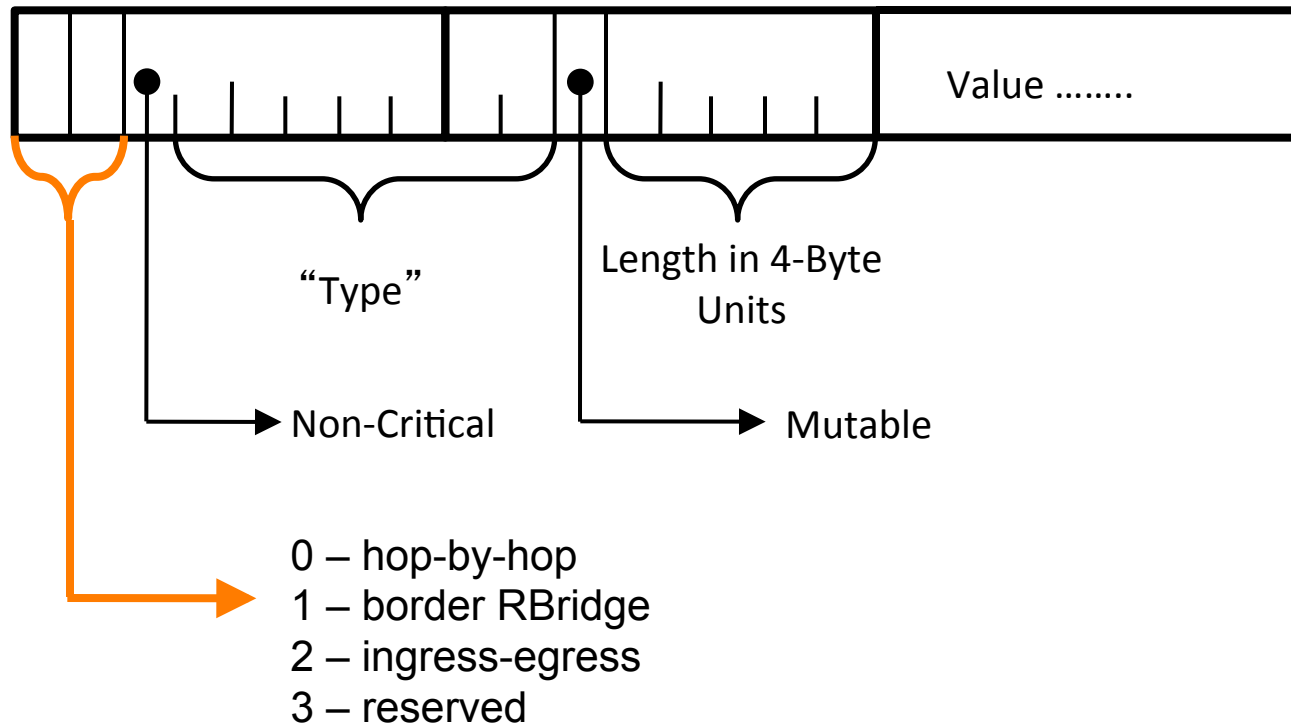


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Proposed Actions

- Drop Flow-ID Field for now
- Drop 2nd 32-bits of Extended Flags
- Add “border” summary bit and TLV extension bit to accommodate possible future extension of TRILL to multi-level
- Issue Working Group Last Call

END

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