

Quick Update on Babel Drafts

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RFC 6126 bis

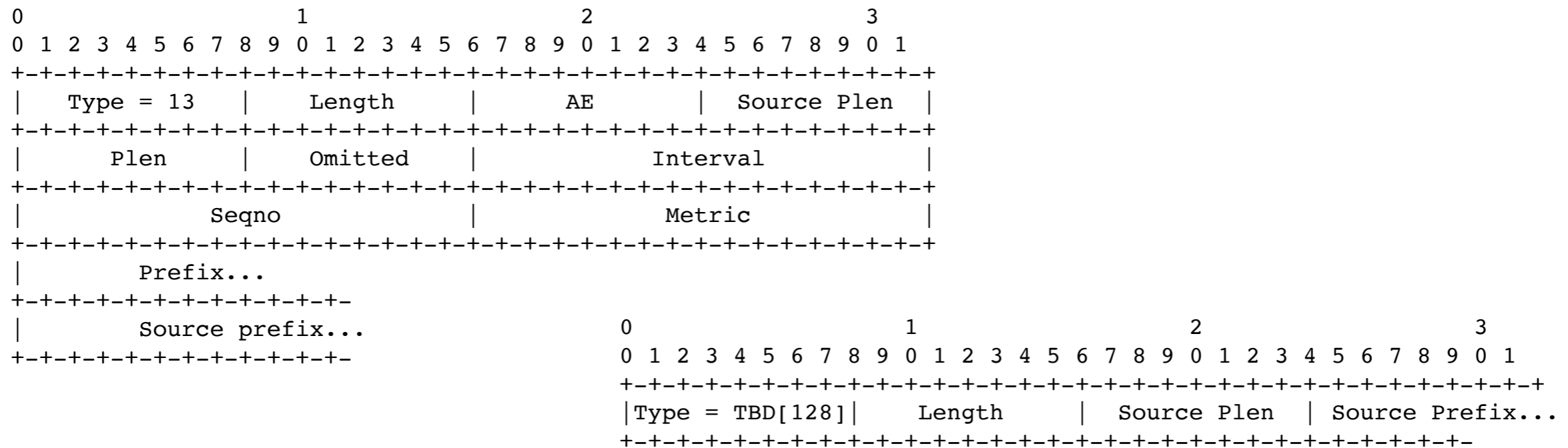
Changes since RFC 6126

- draft-ietf-babel-rfc6126bis-04
- Clarifications to specification
- Minor extensions to the protocol encoding
 - Mandatory bit
 - Unicast Hellos

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Mandatory Bit

- Avoid combinatorial explosion of extensions
- Future extensibility



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Unicast Hellos

- Performance
 - 802.11 multicast issues
- Security
 - Pairwise associations, DTLS / IPsec

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Changes since RFC 6126

- Do not have strict backwards compatibility
- But no flag day!
- First deploy understanding of mandatory bit and unicast hellos, then much later start sending them

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Changes in -04 since -03

- Clarified that all the data structures are conceptual
- Clarify guidance on usage of Unicast Hellos
- Made hold-time a SHOULD rather than MUST (Chouasne Algorithm)
- Clarified that Seqno Requests are for a finite-metric Update
- Made buffering outgoing updates a SHOULD
- Weakened advice to use modified EUI-64 in router-ids
- Added information about sending requests to Appendix B

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Next Steps

- Mature Document
- Last Call?
- Security
 - Important to Babel community
 - Should security be solved in this document?
- Juliusz's talk

Source Specific Changes in -01 from -00

- draft-ietf-babel-source-specific-01
- More introduction / background
- Specified wildcard requests
 - Wildcard requests are independent of extensions
 - Receivers send everything they have for all extensions

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