

Source-specific routing
status in Babel:
encoding modification

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Homenet

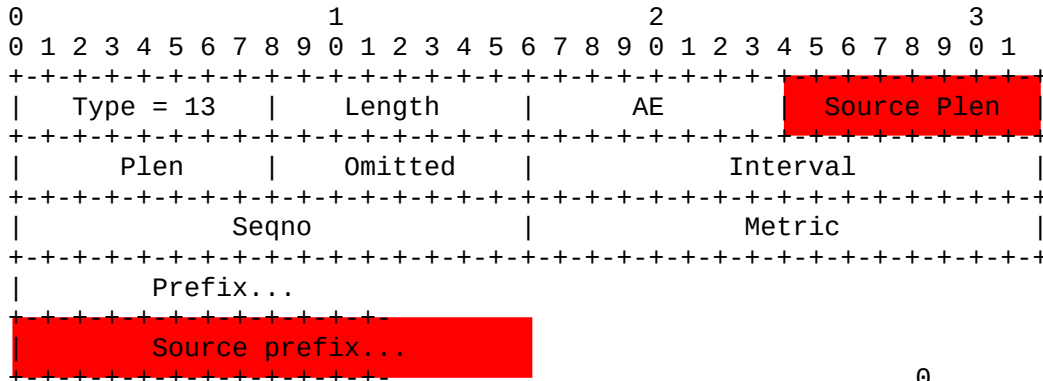
Babel in Homenet

- Babel is « the mandatory routing protocol to implement » for homenet.
- The « Source-Specific extension » (SADR) is required.

draft-boutier-babel-source-specific-01

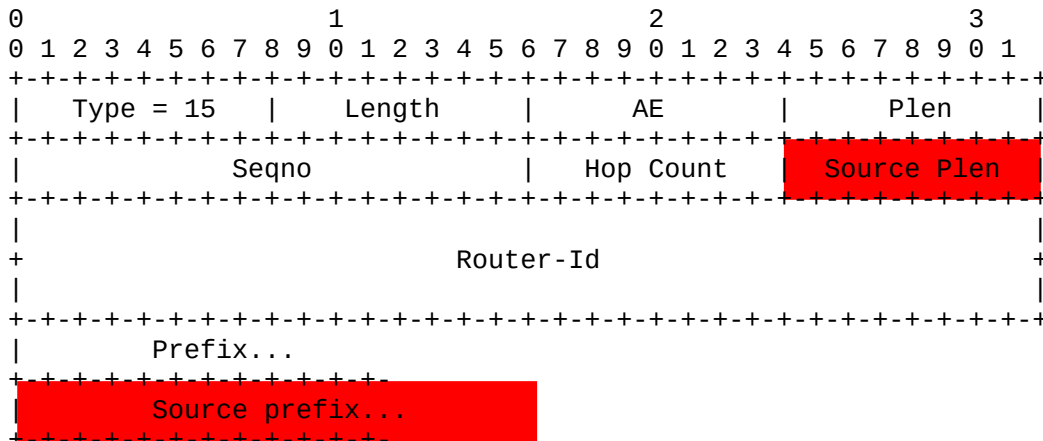
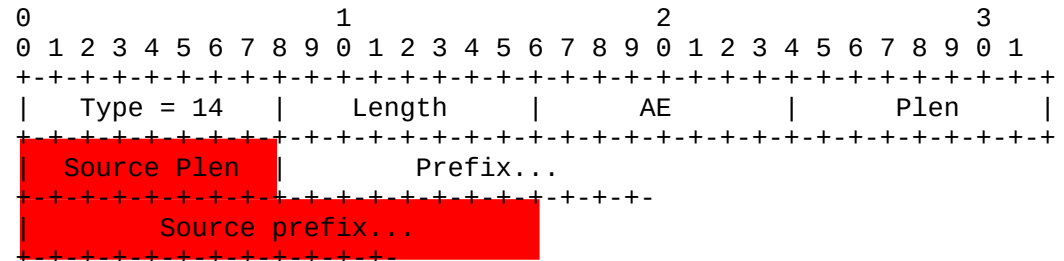
- defined a long time ago (2015),
- the Babel WG has introduced mandatory bits,
- it results in a better but incompatible extension.

draft-boutier-babel-source-specific-01



Source-Specific Route Request

Source-Specific Update



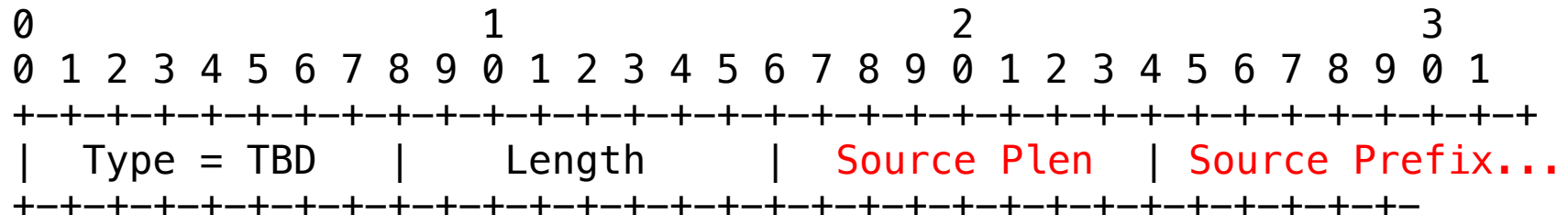
Source-Specific Seqno Request

draft-boutier-babel-source-specific-03

Legacy Update, Route Request and Seqno Request

+

Source Prefix mandatory sub-TLV



→ Because the sub-TLV is mandatory, **this extension is not compatible with RFC 6126**
(the base protocol remains compatible)

Conclusion

Source-specific routing in Babel will use a **new format**.

→ much **simpler**,

→ **incompatible** with RFC 6126.

There will be a **flag day**.

Note: you will have to update Babel to parse mandatory sub-TLVs but, nowadays, if you don't use source-specific routing, you will stay compatible.