Source-specific routing status in Babel: encoding modification

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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**.
Source-Specific Update

Source-Specific Route Request

Source-Specific Seqno Request
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.