



# Fragmentation update for 6LoWPAN

**draft-ietf-6lo-minimal-fragment**  
**draft-ietf-6lo-fragment-recovery**

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# 6lo standard work

## Performance and Reliability improvements to 6LoWPAN Fragmentation

- [RFC 4944](#) (6LoWPAN)
  - Defines a minimal Fragmentation
  - End-to-End in Mesh Under, one hop in Route Over
- [draft-ietf-6lo-minimal-fragment](#) (WGLC completed in May 2019)
  - Enables Fragment Forwarding for Streamlining
  - Builds upon [draft-ietf-lwig-6lowpan-virtual-reassembly](#)
- [draft-ietf-6lo-fragment-recovery](#) (WGLC completed in June 2019)
  - Provides 6LoWPAN route-over end-to-end reliability
  - Selective retry, flow control
  - Requires new fragment formats

# Changes in draft-ietf-6lo-minimal-fragment

- Dave's review

Is this a description of the VRB implementation?

⇒ No it is a generic description of what a FF solution must do and caveats

⇒ Added text to reflect that. VRB is one instance of FF, there are others.

⇒ Added Introduction section

Is this this normative?

⇒ Presented as informational but mandates behavior. Q to Chairs and AD

References

⇒ Made RFC 4944 and VRB drafts normative references

# Changes in draft-ietf-6lo-fragment-recovery

- Comments from Martine

ICMP error to the source? Which content? e.g., hitting HL

There's a generic problem here:

=> what if the problem is a 6lo compression issue? By intermediate node?

## Next steps

- In the hands of the AD (Suresh)