

# **draft-raszuk-wide-bgp-communities**

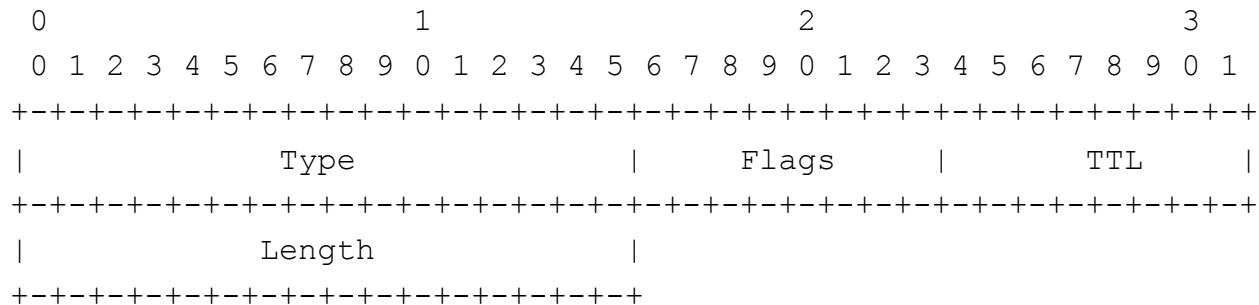
## **IETF 81**

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# The story thus far

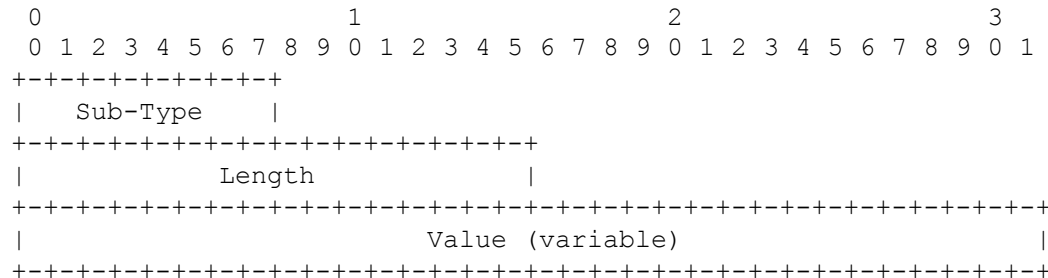
- Draft -02 continues the reconciliation of the ideas from the flexible communities draft and the wide communities draft.
- Format evolving as we understand the use cases better.
- Last open reconciliation issue is the class based targets from flexible communities.

# Current packet format: Common Header



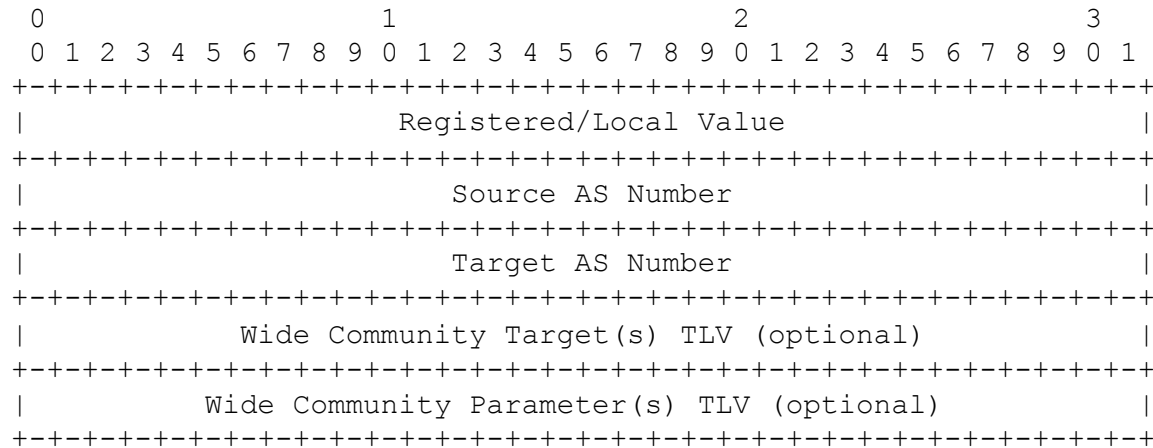
- Type expanded to two octets.
- TTL moved into the common header.
- Explicit length field in header.

# Packet Format: Atoms



- Atoms are intended to be elements of a community. Include:
  - AS
  - IPv4/IPv6 Prefix
  - Integer
  - Floating Point Number
  - Grouping Container for boolean AND.
  - TODO: Add Flexible Community Classes?

# Packet Format: Type 1



- Added a Target AS number to define the context of Locally registered communities.
- Added grouping TLVs to clarify what is a target (thing the community is addressed to) vs. parameters for the community.

# Next Steps

- One last integration pass with Flex comm authors.
- Ask for WG adoption of draft.
- Re-spin as new combined draft with contributors from both flexible and wide community drafts, potentially with a rename.
  - Perhaps agile communities?