

# BMP v4: Extended TLV Support for BGP Monitoring Protocol

`draft-ietf-grow-bmp-tlv`

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IETF GROW WG

# draft-ietf-grow-bmp-tlv



- Problem statement:
  - Not all BMP message types support TLVs
- Ideas in the draft:
  - Support TLVs in Route Monitoring
  - Support TLVs in Peer Down
  - Introduce Enterprise-specific TLVs
  - Bump version for backwards compatibility

# Changes since IETF 124 / -19

- **Merged** `draft-younsi-grow-bmp-snts`
  - Mandatory timestamping
  - Sequencing
  - Extending life of flags
- Formalized support for Stats Reports TLVs
  - Container TLV for Stats
  - Allow trailing optional TLVs
- Processed feedback from Dhananjay and Prasad

# Next steps / Open questions

- Keep smoothing merge of `draft-younsi-grow-bmp-snts`
  - Which Timestamp is elected to go in Per-Peer Header?
  - Extended Flags TLV in addition to or in replacement of Flags in Per-Peer Header
- Numbering of TLVs applying to all messages, uniform vs next available
- Ordering of TLVs
- Process IANA feedback