

# Compact Alternate Marking

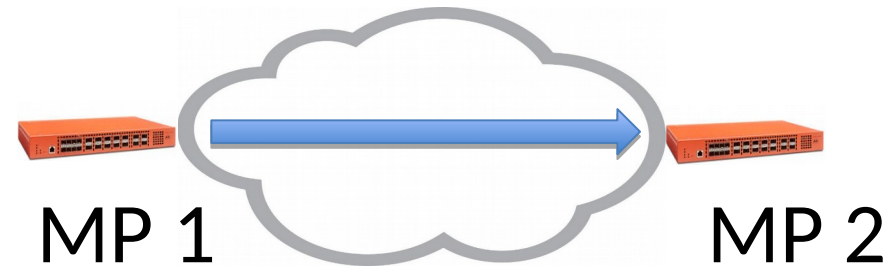
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[draft-mizrahi-ippm-compact-alternate-marking-05](#)

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# Scope of the Current Draft

- New alternate marking methods with low overhead.
  - Single bit per packet.
  - Zero bits per packet.
- Summary of alternate marking methods.



# Related Drafts

- draft-ietf-mpls-rfc6374-sfl
- draft-ietf-bier-pmmm-oam
- draft-fmm-nvo3-pm-alt-mark
- draft-mirsky-sfc-pmamm
- draft-fioccola-ippm-multipoint-alt-mark
- draft-fioccola-v6ops-ipv6-alt-mark
- draft-fear-ippm-mpdm
- draft-ietf-quic-spin-exp
- draft-trammell-quic-spin
- draft-trammell-ippm-spin
- draft-zhou-ippm-enhanced-alternate-marking

Most of these drafts may benefit from the methods and analysis of the current draft.

# Summary and Next Steps

- Draft 05:
  - Updated draft based on feedback (Thanks AI!).
- Considering to split the draft into two drafts:
  - New alternate marking methods with low overhead.
  - Summary of alternate marking methods.
- Comments will be welcome!

# References

- [1] T. Mizrahi, C. Arad, G. Fioccola, M. Cociglio, M. Chen, L. Zheng, G. Mirsky, "Compact Alternate Marking Methods for Passive Performance Monitoring", draft-mizrahi-ippm-compact-alternate-marking, work in progress, 2019.
- [2] M. Cociglio, A. Capello, A. Tempia Bonda, L. Castaldelli, "A packet-based method for passive performance monitoring", draft-tempia-opsawg-p3m-00, expired, 2011.
- [3] G. Fioccola, A. Capello, M. Cociglio, L. Castaldelli, M. Chen, L. Zheng, G. Mirsky, T. Mizrahi, "Alternate-Marking Method for Passive and Hybrid Performance Monitoring", RFC 8321, 2018.
- [4] T. Mizrahi, G. Navon, G. Fioccola, M. Cociglio, M. Chen, G. Mirsky, "[AM-PM: Efficient Network Telemetry using Alternate Marking](#)", IEEE Network, 2019.