

# Compact Alternate Marking

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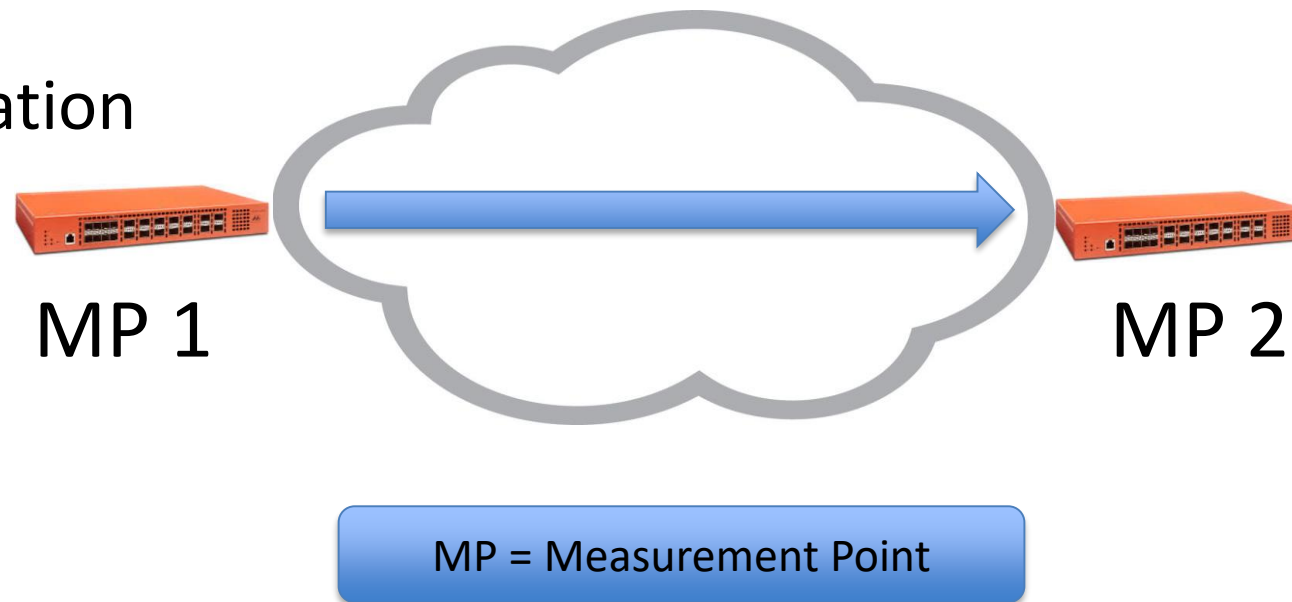
[draft-mizrahi-ippm-compact-alternate-marking-03](#)

IETF 104, Prague, March 2019

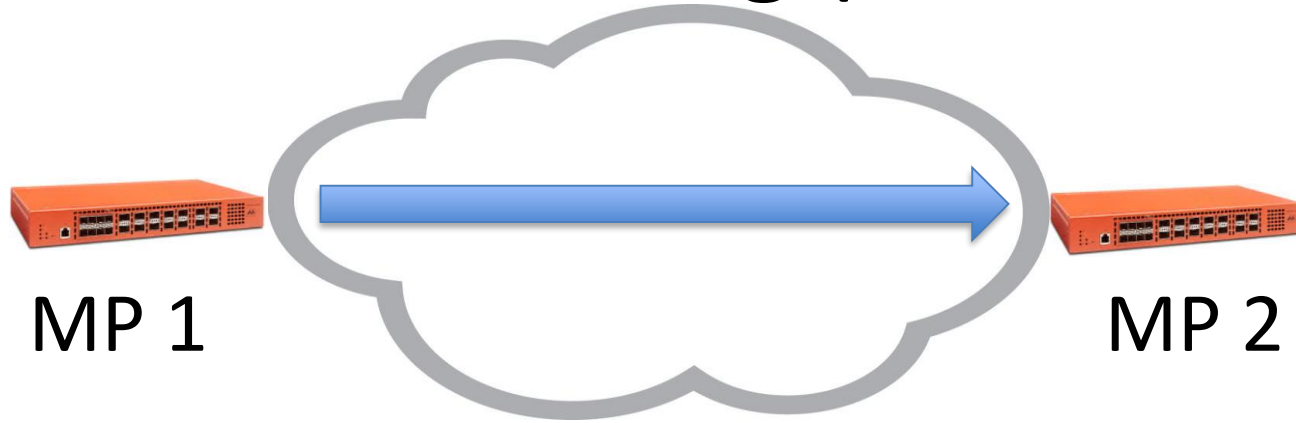
# Alternate Marking - Background

Monitor data traffic from MP 1 to MP 2

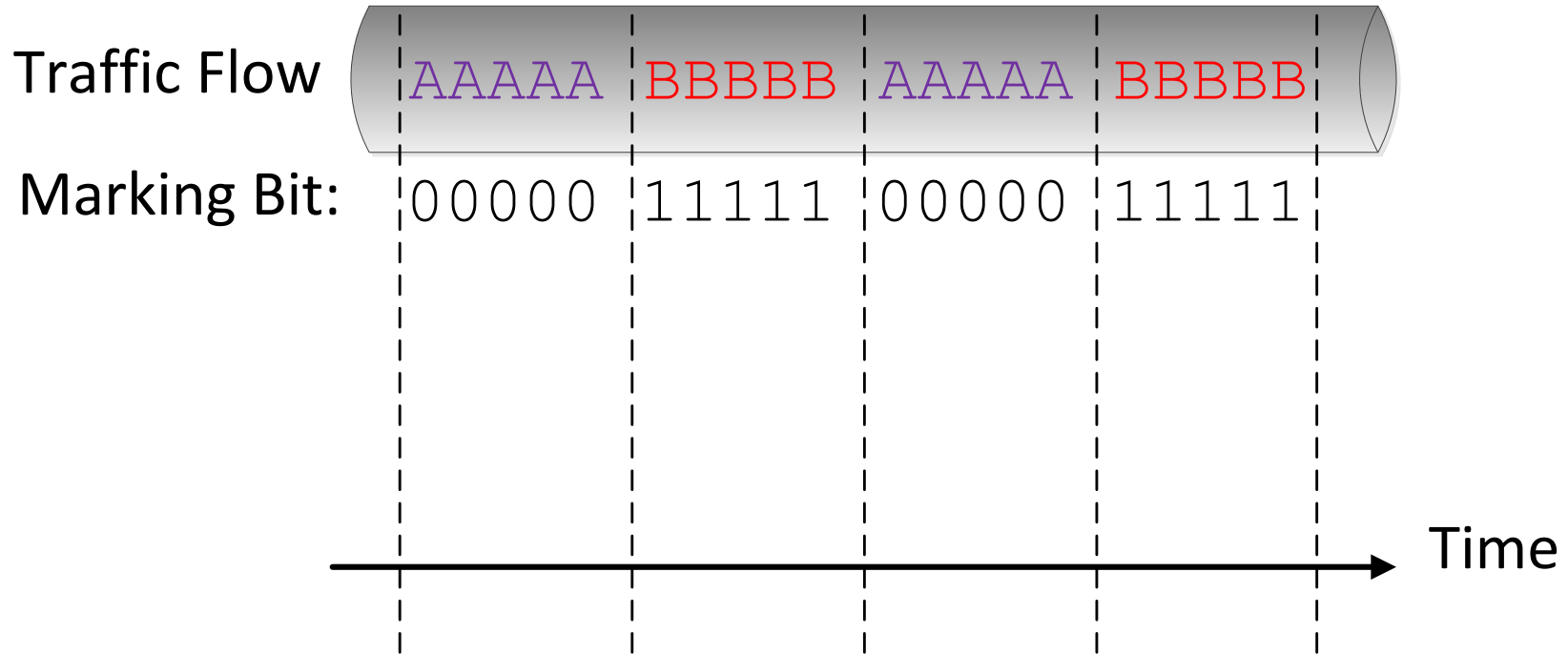
- Loss
- Delay
- Delay variation



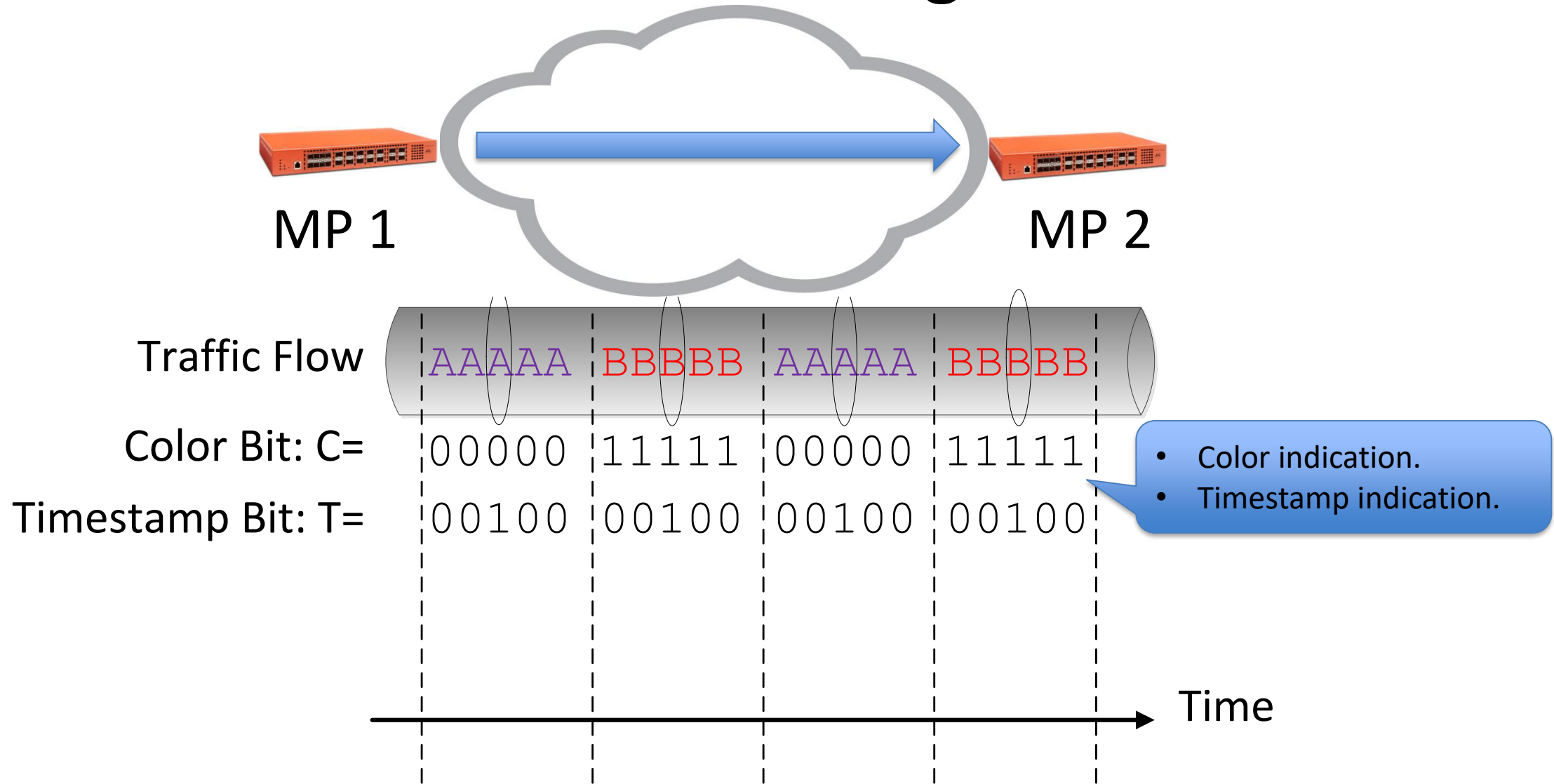
# Alternate Marking (RFC 8321)



Every data packet includes a color bit.

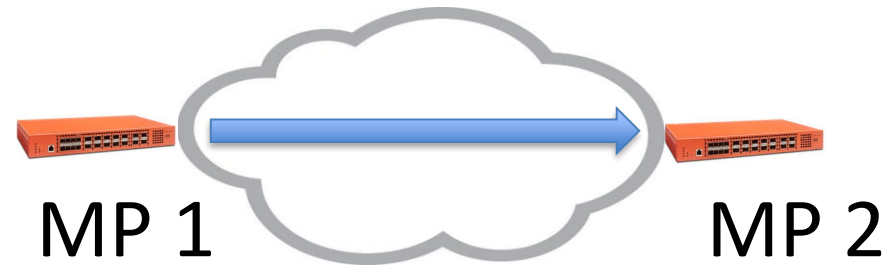


# Double Marking



# 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
- fioccola-v6ops-ipv6-alt-mark
- fear-ippm-mpdm
- draft-ietf-quick-spin-exp
- draft-trammell-quick-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

- Feedback: consider splitting the draft to two drafts:
  - New alternate marking methods with low overhead.
  - Summary of alternate marking methods.
- Comments will be welcome!