

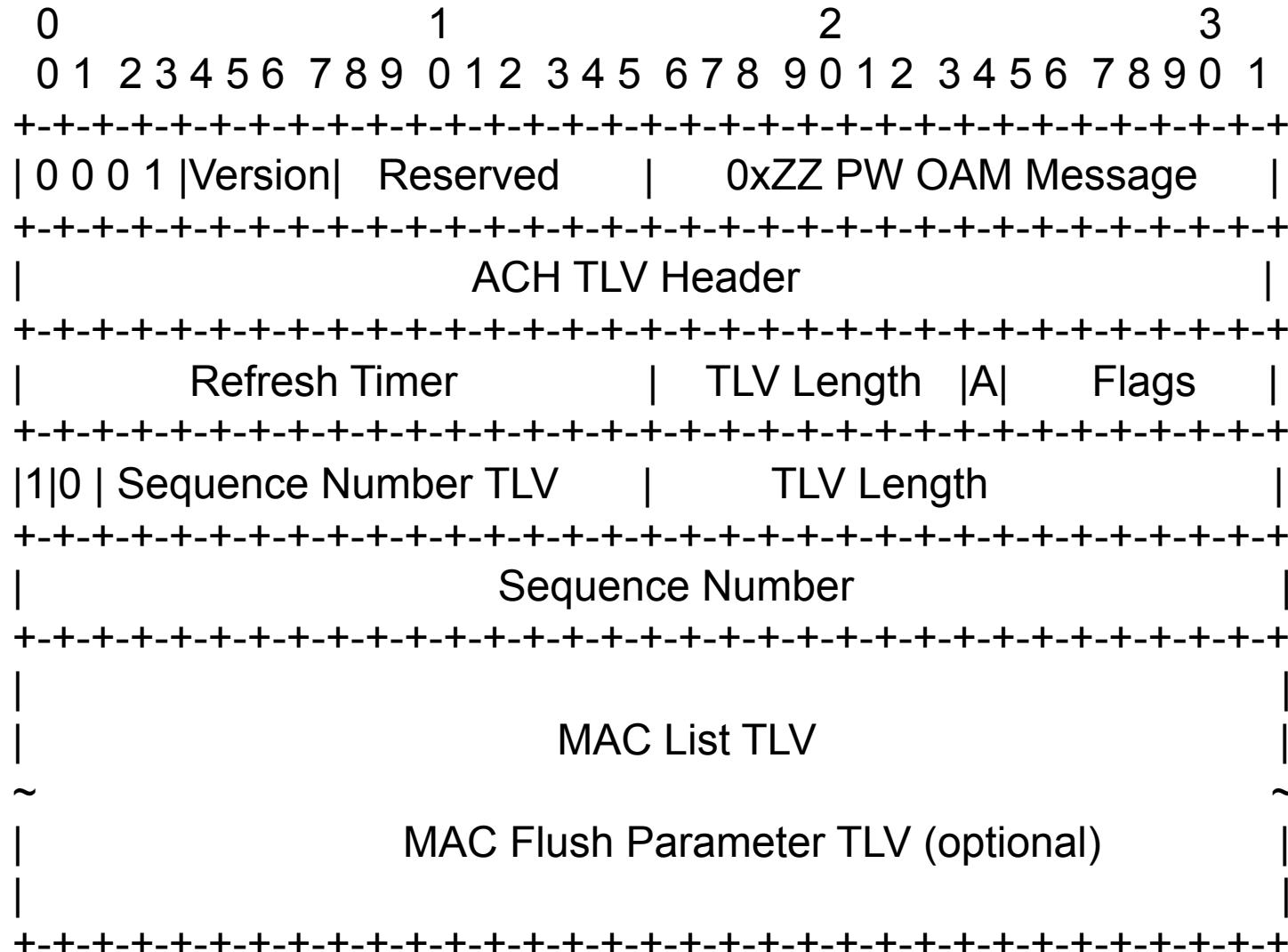
MAC Address Withdrawal Over Static PW

draft-boutros-pwe3-mpls-tp-mac-wd-02.txt

Background

- MAC withdraw mechanism over static PW:
 - Based on PW OAM message defined in “draft-ietf-pwe3-static-pw-status-xx.txt”
 - A given MAC withdraw notification is not refreshed forever
 - Acknowledgment of OAM messages is mandatory
 - Duplicate messages are identified using sequence number in order to avoid repeated (unnecessary) flushing of MAC address(es)

MAC Withdraw OAM Message



MAC Withdraw OAM Message (cont'd)

- Refresh Timer field is not used
- Message without Sequence Number TLV is dropped
- ACK message (A bit set) does not include MAC TLVs

Operation

- A sender re-transmits a MAC withdraw message with a given sequence number if it does not receive ACK for that sequence number
- A receiver always acknowledges any incoming MAC withdraw message (new or duplicate)
- A receiver processes a MAC withdraw message only if the sequence number of that message is greater than that of the last processed MAC withdraw message

Operation (cont'd)

- A sender re-transmits a MAC withdraw message with a given sequence number if it does not receive ACK for that sequence number
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IANA Allocation

- LDP TLV type name space:
 - Sequence Number TLV

Thank You !