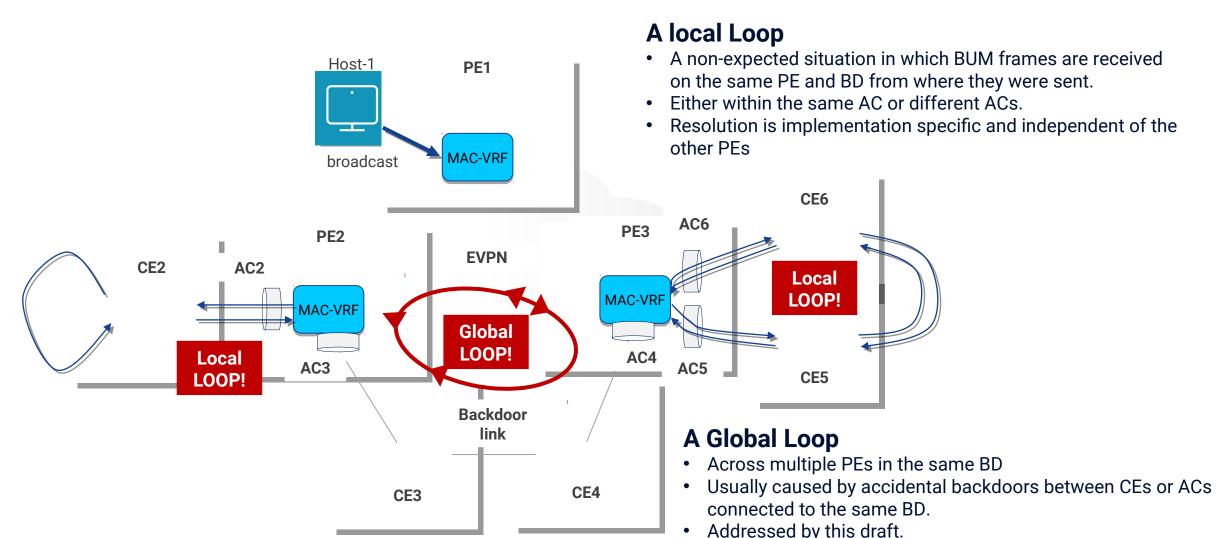
# Loop Protection in EVPN Networks draft-snr-bess-evpn-loop-protect-00

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IETF99, July 2017 Prague

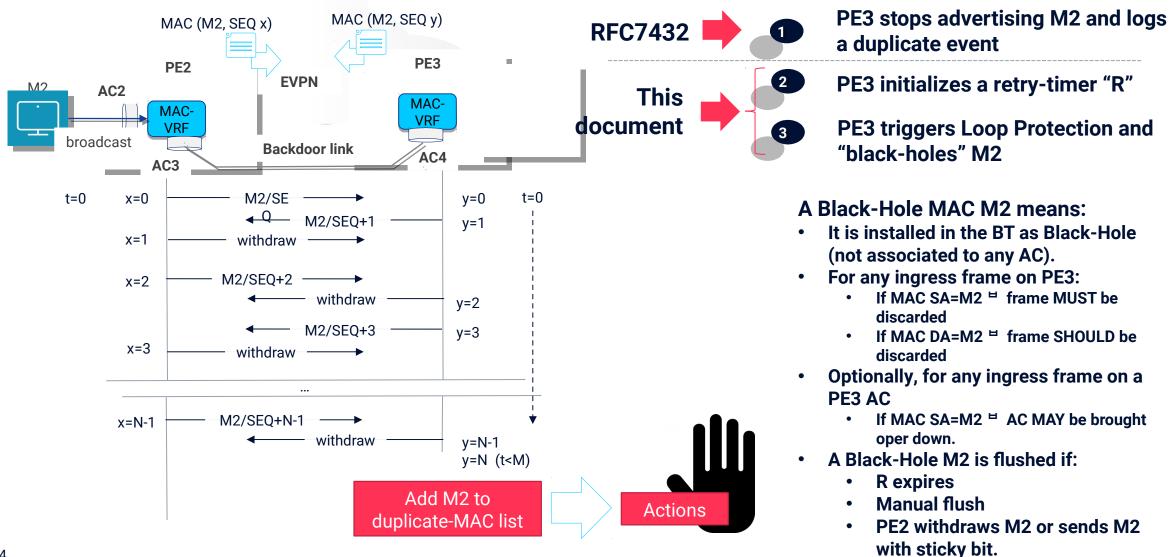
## Local vs Global loops in EVPN Broadcast Domains draft-snr-bess-evpn-loop-protect addresses global loops



### Global Loop Protection Proposal For EVPN networks

- It completes the RFC7432 MAC Duplication mechanism with an optional Loop Protection procedure for Global Loops.
- RFC7432-compatible.
- It does not modify/add any control plane piece of information.
- Upon detecting a loop, it carries out the following Loop Protection actions:
  - The PE SHOULD discard looping flows while allowing other non-looping flows.
  - The PE MAY bring down the ACs involved in the loop, as opposed to only discarding the flows involved.

#### Loop Protection Solution for EVPN Broadcast Domains



#### Observations and conclusions

#### Why is this draft Informational

It is compatible with RFC7432 procedures and does not modify EVPN routes Can be deployed in an EVPN BD where not all the PEs support Loop Protection

#### Why do we think it is important

Accidental (or not) backdoor paths happen Global Loops are a big concern in Operators and Service Providers

#### What do we ask the WG

Feedback / Comments

### Thank you