

# Ethernet VPN Virtual Private Wire Services Gateway Solution

## draft-sr-bess-evpn-vpws-gateway-03

---

Jorge Rabadan (Nokia)  
Senthil Sathappan (Nokia)  
Vinod Prabhu (Nokia)  
Wen Lin (Juniper)  
Patrice Brissette (Cisco)

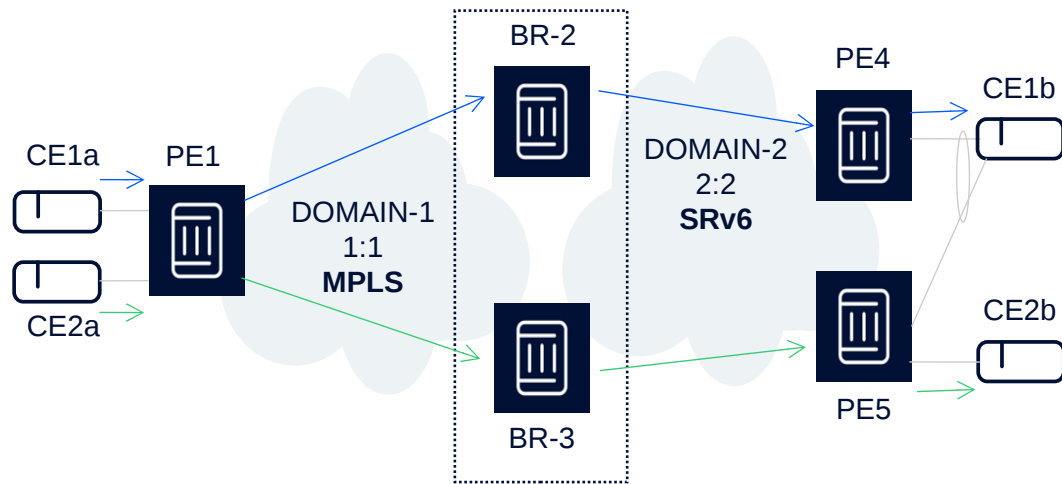
IETF117, Jul 2023  
San Francisco

# Agenda

- A short refresh
- Changes in rev 03
- Next Steps

# A Short Refresh

## draft-sr-bess-evpn-vpws-gateway-03



### Problem

CEs of the same EVPN-VPWS service attached to different domains/encapsulations

### Proposed Solution

Service Gateway implementation

Redistribution of EVPN A-D per EVI routes at Gateways

Procedures specified:

- Processing of EVPN routes
- Re-Advertisement of routes and rules
- Forwarding state

### Gateway Redundancy options

Based on Anycast Gateway Redundancy

Based on Interconnect Ethernet Segments

D-PATH used along with EVPN A-D per EVI routes to prevent loops

# Changes in revision 03

## draft-sr-bess-evpn-vpws-gateway-03

- Clarifications about the selection order of A-D per EVI routes for Aliasing functions when “m” routes are received and only “n” paths are used (with  $m > n$ )
- Clarifications about the attribute propagation on A-D per EVI routes - only the attributes of the best A-D per EVI route are propagated
- For I-ES based Service Gateway redundancy, a reference to FRR as in I-D.burdet-bess-evpn-fast-reroute is added
- Updated References and Terminology section

# Next Steps

## draft-sr-bess-evpn-vpws-gateway-03

- Implementations exist
- The authors would like to request Working Group Adoption again

Thank you