draft-fu-bess-evpn-vpws-seamless

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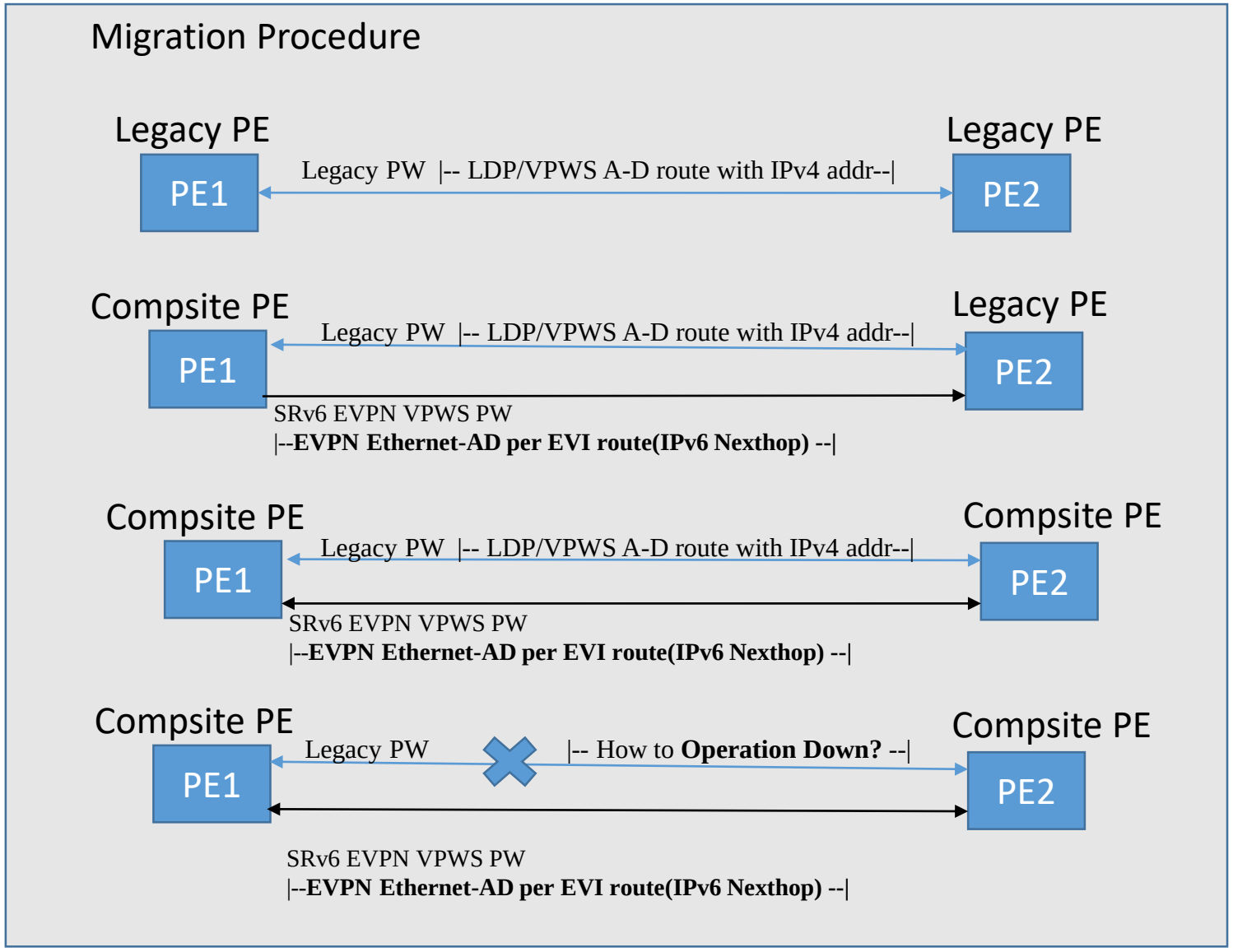
Agenda

- Introduction
- Problem Statement
- Solution
- NextStep

Introduction

- Solution for EVPN-VPWS SRv6 Seamless Integration with Legacy VPWS
  - How to Identify whether the pseudo-wire of EVPN VPWS SRv6 is same with the pseudo-wire of L2VPN VPWS
  - Target: Allows migrating VPWS to EVPN-VPWS under the same vpn instance but over different network.

Problem Statement



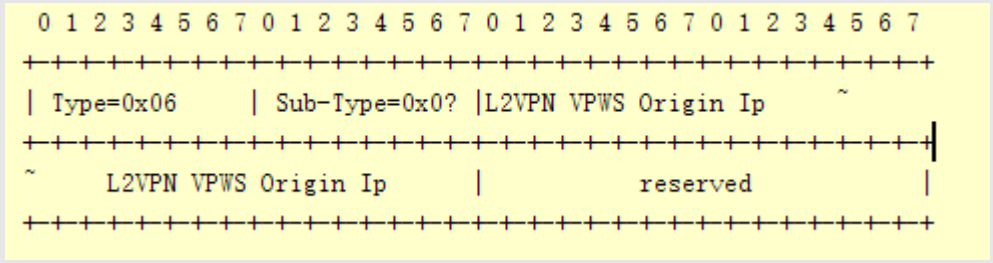
Problem Summary:

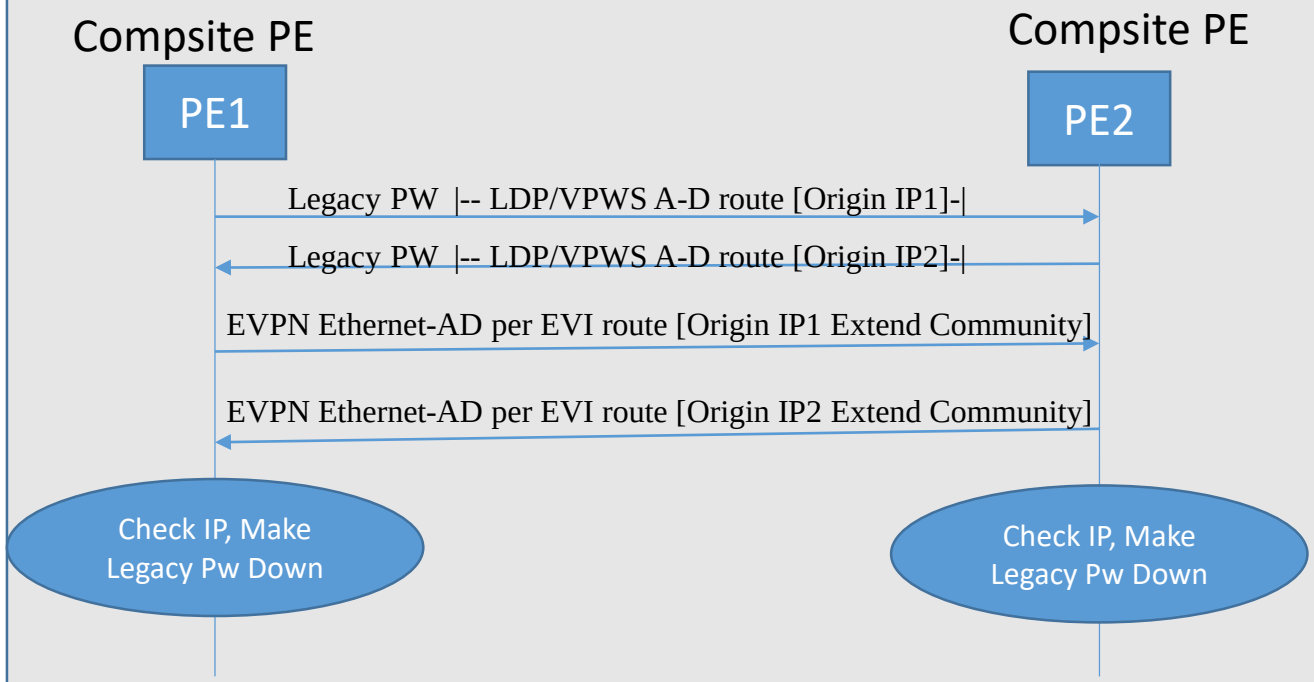
In the EVPN VPWS over SRv6 scenario, the next hop of the EVPN Ethernet-AD per EVI is an IPv6 address, which is different from the source address of the LDP-LM message/VPWS AD route.

How to identify Legacy PW and make PW down?

Solution

- Add L2VPN VPWS origin IP in **EVPN Ethernet-AD per EVI route**
- Define a new extended community attribute





Solution Summary:

- **PE2 compares the L2VPN VPWS Origin IP attribute in the EVPN Ethernet-AD per EVI route with the source IP address of the LDP-LM message/VPWS AD route.**
- **If the result is same, LDP-LM message/VPWS AD route and EVPN Ethernet-AD per EVI route are from the same device**

Next step

- Request more feedback