Pseudowire Redundancy on S-PE

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Background

• PW redundancy on PE/T-PE has been specified
  – draft-ietf-pwe3-redundancy-bit

• PW redundancy on S-PE is beneficial for some MS-PW cases
  – Access nodes may not support PW redundancy
  – Less PW segments on access nodes
  – Faster protection switching compared with redundancy on T-PE (local protection vs. end-to-end)

• This draft specifies typical scenarios of PW redundancy on S-PE
PW redundancy on S-PE

- PW redundancy on T-PE
- PW redundancy on S-PE

- Reduces the number of PW segments on T-PE1
- Also works when T-PE1 does not support PW redundancy
PW redundancy on S-PE (Cont.)

- PW redundancy on T-PE

- PW redundancy on S-PE
Operations on S-PE

• Not simply relays the status to T-PE, S-PE makes the decision

• For PW segments towards the dual-homing side
  – selects the active PW segment according to the local and remote preferential status

• If S-PE could select an active PW segment successfully, it should advertise preferential status “Active” onto the PW segment on the other side
Next Steps

• Solicit comments & feedbacks