802.1ah: U-turns in the I-Component

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Case 1: Same ISID on two PIPs

- Consequence of allowing I component to connect to multiple B components for protection.
  - Intentional or unintentional?
- Do we want to allow this?
  - Could prohibit by not allowing same ISID to be instantiated on more than one Provider Instance Port at any given time.
  - Need more examination of protection mechanisms to decide.
Case 2: Different ISIDs on two VIPs

- Consequence of not having an explicit normative statement that prohibits mapping one SVID to multiple ISIDs.
  - Unintentional !
- Do we want to allow this?
  - Don’t think so. Have never heard an objective to split one PBN Service Instance to multiple PBBN Service Instances.
  - Need a statement in clause 5 and/or clause 23 that all VIPs in the member set of any S-VLAN must have the same ISID.
Clarify SVID:ISID mapping constraints

One:One – Mandatory
(basic mapping of PBN service instance to PBBN service instance)

Many:One – Optional
(if support bundling S-tagged service interface)

One:Many – Prohibited
(cannot split one PBN service instance among many PBBN service instances)