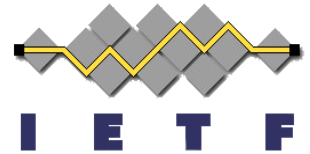


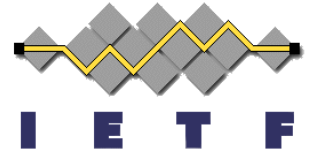
TTL Procedures for SR-TE Paths IETF 105

Shraddha Hegde, Juniper Networks
Kapil Arora, Juniper Networks
Sam Aldrin, Google
Stephane Litkowski, Orange
Muhammad Durrani, Equinix



Agenda

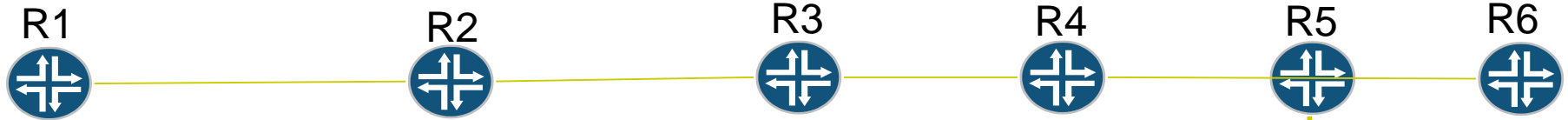
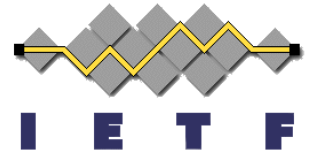
- Background
- Updates from previous version
 - TTL Procedures for Binding-SID
- Ask & Next step



Background

- The mpls traceroute procedures use TTL expiry mechanisms to visit every node
- Need special TTL decrement procedures for label stacks
- Special considerations for PHP nodes
- Explicitly define TTL procedures for applicable scenarios
 - > Binding-SIDs

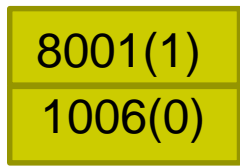
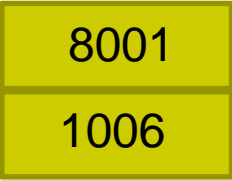
TTL Procedures for Binding-SID:Uniform Mode



Binding-SID 8001-> (1004,1005)

Step:1

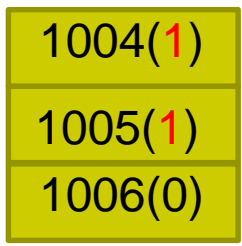
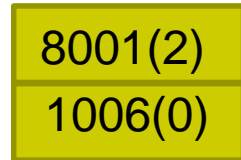
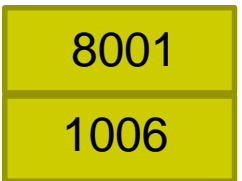
FEC Stack:
6.6.6.6



All Labels pushed by swapping B-Sid will copy the TTL

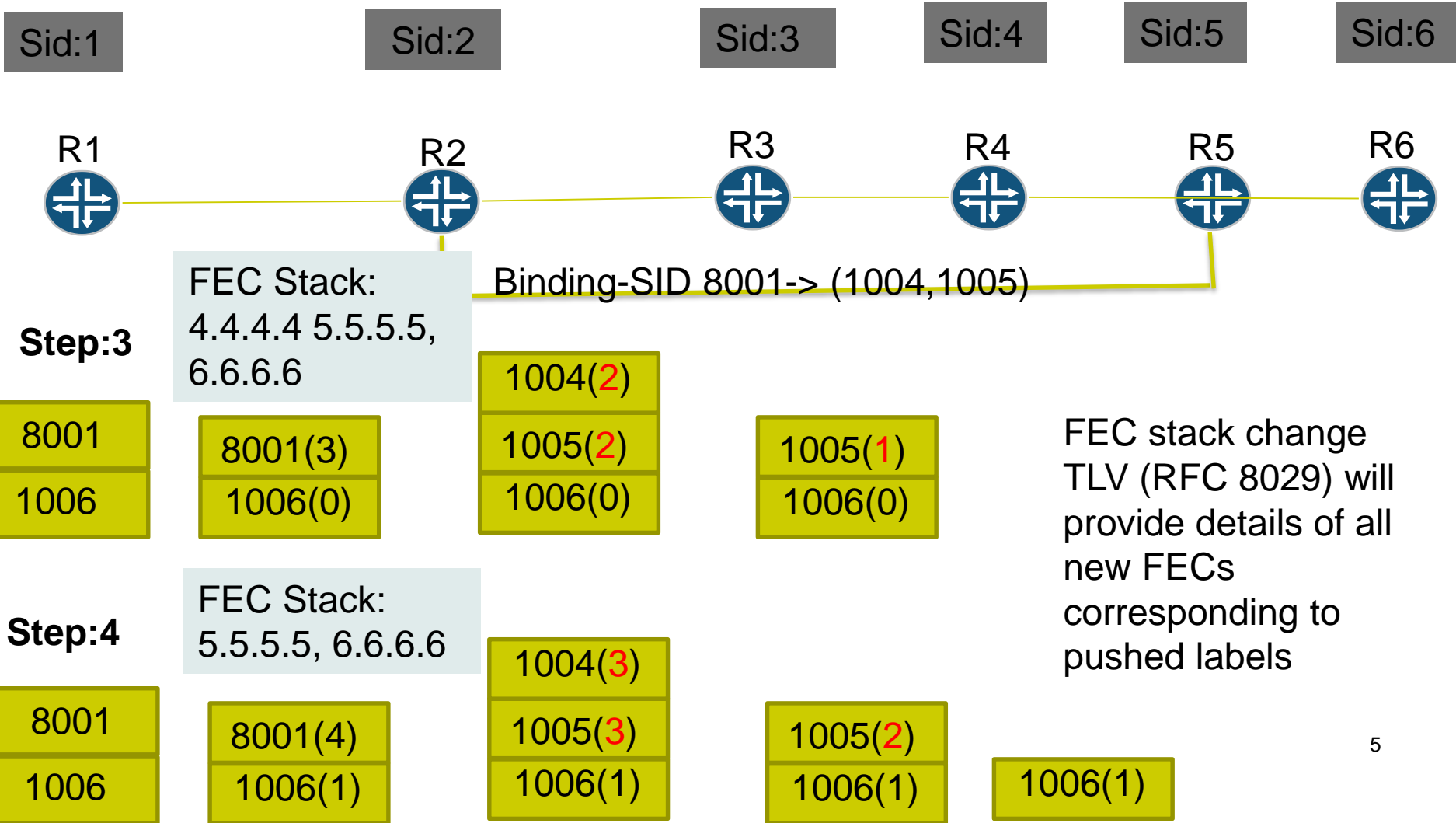
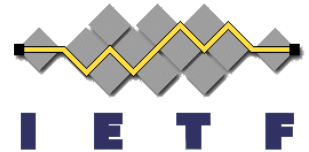
Step:2

FEC Stack:
4.4.4.4 5.5.5.5,
6.6.6.6

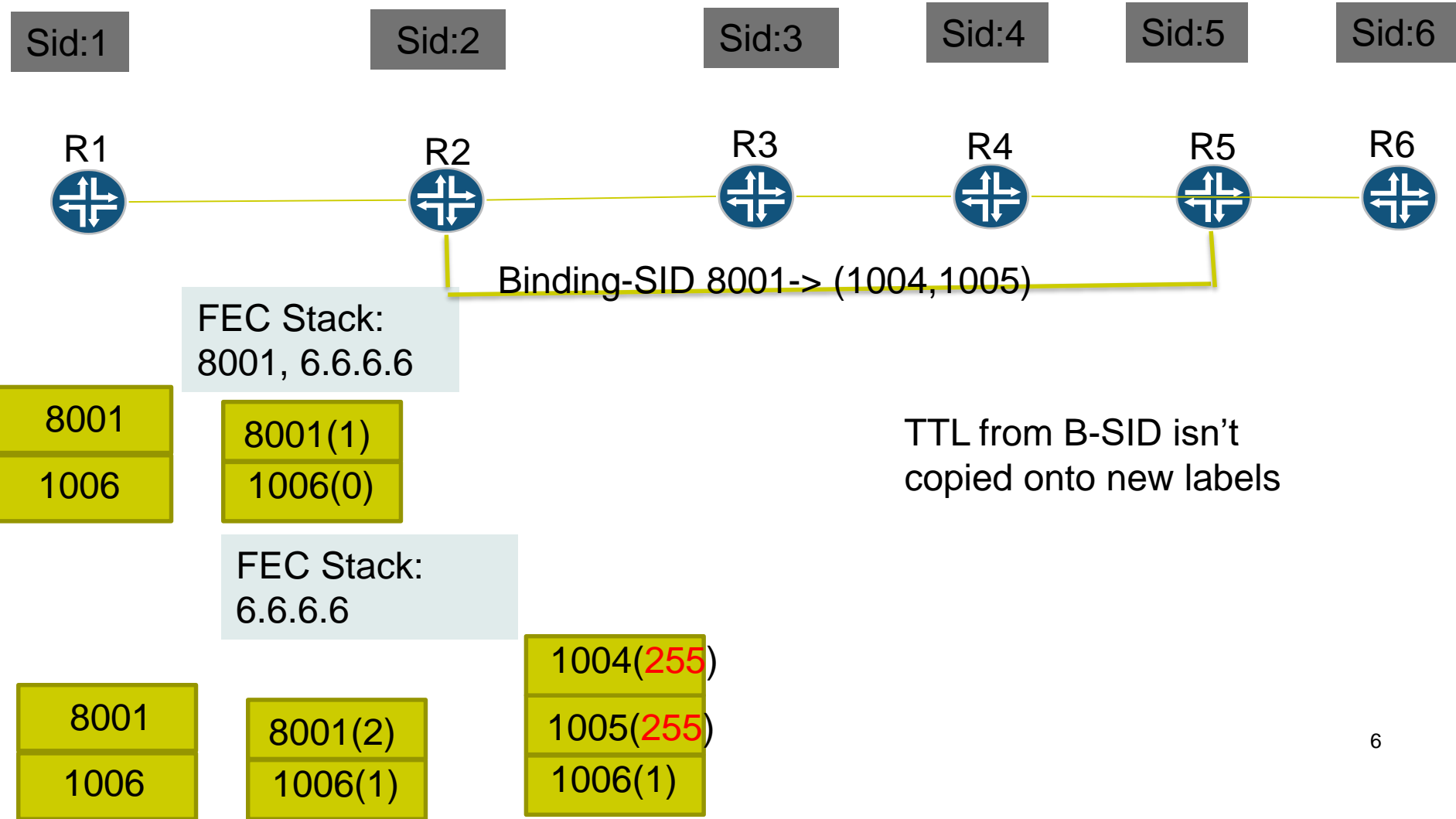


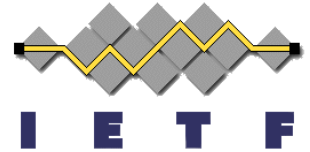
R2 will send FEC stack change with FECs for (1004,1005)

TTL Procedures for Binding-SID:Uniform Mode



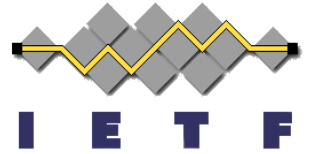
Short Pipe Mode





Summary & Next steps

- Request review and comments
- WG Adoption



Thank you