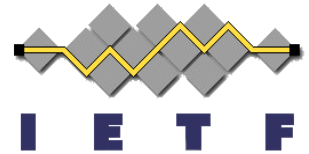


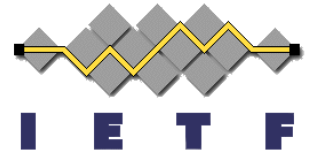
Egress TLV for Nil FEC

draft-rathi-mpls-egress-tlv-for-nil-fec

IETF 110

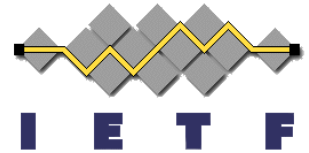
Deepti N Rathi, Juniper Networks
Shraddha Hegde, Juniper Networks
Kapil Arora, Juniper Networks
Zafar Ali, Cisco Systems Inc.
Nagendra Nainar, Cisco Systems Inc.





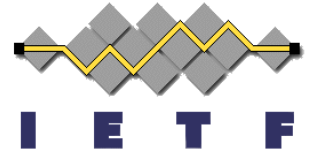
Agenda

- Updates from -01 revision
- Review comments
- Next steps



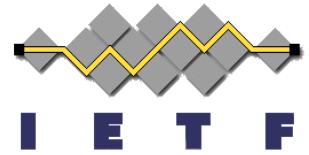
Abstract and Introduction

- FEC validation
 - Is it always possible?
- NIL FEC
 - Is current standard sufficient?
- Egress TLV
 - Extension to existing NIL FEC
 - Help to valid the path egress



Procedure

- Elaborated the example with diagram
- Minor changes while processing on receiving EGRESS TLV



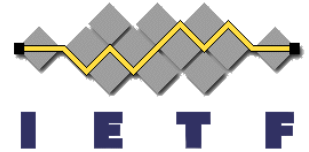
Review comments

- Can draft-nainar-mpls-spring-lsp-ping-sr-generic-sid-04 and current draft merge together?
 - draft-nainar-mpls-spring-lsp-ping-sr-generic-sid-04
 - new sub-TLV is to validate the instruction associated with any SID.
 - EGRESS TLV
 - extension to NIL FEC only for path egress validation for NIL FEC.
 - **Conclusion**
 - Both drafts are for different purpose.
 - Authors decided to keep it separate.



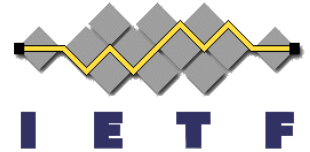
Review comments

- Number of labels and FEC should be same?
 - RFC 8029 doesn't say it should always be same.
 - Section 3.2.17 defined NIL FEC
 - Section 4.4.1. explains FEC Validation when outer-most FEC is NIL FEC
 - Section 4.5.2. explains NIL FEC when Transition between Tunnels
- **Conclusion**
 - The draft is for addition of EGRESS TLV as extension to NIL FEC for path egress validation.
 - NIL FEC processing will be same as defined in RFC 8029.



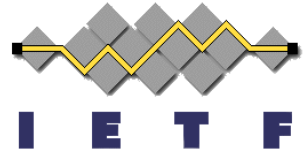
Review comments

- How EGRESS TLV prefix derived?
- EGRESS TLV prefix
 - derived from path egress/destination
 - not based on SIDs



Next Steps

- Request review and comments
- Request WG adoption



Thank you