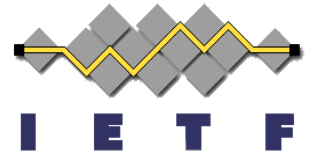# LSVR BGP SPF IETF-104 Prague Mar, 2019
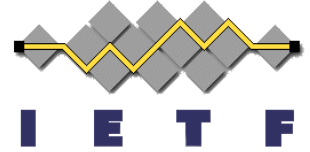
Keyur Patel, Arrcus
Acee Lindem, Cisco
Shawn Zandi, Linkedin
Wim Henderickx, Nokia
Derek Yeung, Arrcus
Abhay Roy, Arrcus
Venu Venugopal, Cisco
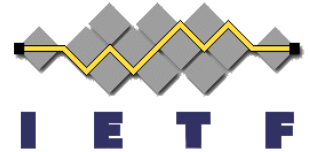
I E T F

Status Update

- Draft was updated on 12-20-18
  - Thanks much to Eric Rosen for discussions with respect to BGP SPF route convergence.
- Draft is in fairly stable state
  - Based on reviews and feedback from lot of folks
- Implementations under way
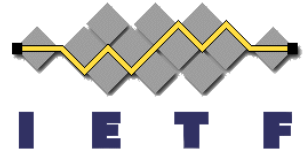
Version 4 Changes (1/2)

- BGP Link NLRI attribute BGP SPF Status TLV added

  - Signals Link down event without immediately withdrawing Link NLRI

  - Link NLRI with down static is more recent version than current Link NLRI

  - Avoids waiting for all instances of Link NLRI w/o change BGP advertisement paradigm

Version 4 Changes (2/2)

- BGP Prefix NLRI attribute BGP SPF Status TLV added
  - Signals Prefix down event
  - Same principle as BGP Link NLRI attribute
- Brief BGP SPF NLRI Implicit Withdrawal delay added
  - Avoids problem of flooding path discrepancies causing unnecessary route flaps
  - Specifically, avoids flap when link on fastest flooding path fails and NLRI is implicitly withdrawn before being received on others.

Thank you