LSVR
(Link State Vector Routing)

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Administrivia

- Chairs:
  - Gunter Van de Velde
  - Victor Kuarsingh
- Jabber Scribe:
  - tbc
- Minutes:
  - tbc
- Note Well
- Agenda Bashing
Note Well

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• BCP 9 (Internet Standards Process)
• BCP 25 (Working Group processes)
• BCP 25 (Anti-Harassment Procedures)
• BCP 54 (Code of Conduct)
• BCP 78 (Copyright)
• BCP 79 (Patents, Participation)
• https://www.ietf.org/privacy-policy/ (Privacy Policy)
Agenda

1. Welcome & agenda bashing (10 min)  
   Chairs
2. Update of Shortest Path Routing Extensions for BGP Protocol (15 min)  
   (draft-ietf-lsvr-bgp-spf-06)  
   by Keyur Patel
3. Update Layer 3 Discovery and Liveness (10 min)  
   (draft-ietf-lsvr-l3dl-03)  
   by Randy Bush
4. Update Layer 3 Discovery and Liveness Signing (10 min)  
   (draft-ymbk-lsvr-l3dl-signing-00)  
   by Randy Bush
5. Update L3DL Upper Layer Protocol Configuration (10 min)  
   (draft-ymbk-lsvr-l3dl-ulpc)  
   by Randy Bush
6. Update LSVR IETF Organizationally Specific TLVs for IEEE Std 802.1AB (LLDP) (20 min)  
   (draft-congdon-lsvr-lldp-tlvs-00)  
   by Paul Congdon
7. Update LSVR IEEE P802.1ABdh (==LLDPv2) (15 min)  
   (Informational IEEE Liaison work Update)  
   by Paul Congdon
LSVR WG Status

- LSVR Deliverables seem in good progress
- LSoE has Python3 demo available
  - https://github.com/Arrcus/lsoe-python
  - FRR implementation in progress
- LSVR (BGP-SPF) passed WGLC
  - Document ready for further progressing
  - Directorate reviews:
    - RTGDIR: Believed Ready (state in datatracker still “Not Ready” but feedback has been addressed)
    - OPSDIR: Ready
  - Authors submitted new version with WGLC comments submitted
- Some documents appear ready initiate WGLC
  - draft-ietf-lsvr-applicability-04
LSVR WG Status

- LSVR WG is seeing increased L3DL development
  - Additional L3DL features proposed (security, automation, services)
  - Initial L3DL properties beyond classic LLDPv1
    - MTU size,
    - Fragmentation and reassembly – i.e. the ability to carry TLVs in more than one PDU
    - Push model – ability to send information fast and when necessary as opposed to every 30” only
    - Rapid recovery in case of failures, “graceful restart”

- IEEE is progressing with LLDPv2
  - LLDPv1 behavior extended with required properties needed for LSVR
    - New LSVR tailored TLVs and protocol behavior introduced
    - Informational IEEE liaison update: IETF105 & IETF106
THANK YOU!