

BESS WG update

IETF 111

BESS in few words

- BESS = BGP Enabled Services
- Home for key BGP based services: L3VPN, EVPN, mVPN...
- Strong relationship with IDR WG by definition

RFC7432bis

- RFC7432 defines controlplane procedures for BGP based Ethernet VPN (started a long time back !)
- Based on deployment experience, clarifications and enhancements in the base RFC are required:
 - Clarify terminology
 - Route prioritization based on route type
 - DF roles : BDF, NDF
 - ...

BGP based controller for mcast

- Problem statement:
 - How to use central BGP controller to setup mcast trees ?
- Work started couple of years ago:
 - draft-ietf-bess-bgp-multicast-controller
- More recent I-D focused on SR p2mp trees:
 - draft-hb-idr-sr-p2mp-policy (discussed mostly in IDR)
- Authors are discussing to ideally come with a single solution

EVPN multihoming/load balancing/convergence

- WG is very active in keep improving EVPN based on deployment experience and new requirements
 - MH/Load-balancing:
 - draft-ietf-bess-evpn-mh-pa: Port-based multihoming (MC-LAG in an EVPN way)
 - draft-ietf-bess-evpn-unequal-cost: use link BW to provide loadbalancing on access links running at different speeds
 - ...
 - Convergence:
 - draft-ietf-bess-evpn-fast-df-recovery: use NTP to get faster DF switchover
 - draft-sajassi-bess-evpn-ip-aliasing
 - Interworking between services:
 - draft-brissette-bess-evpn-vpws-seamless: merged effort to get interworking between EVPN VPWS and legacy VPWS services
 - Additional on going WG work for EVPN/IPVPN and EVPN/MVPN