Multicast VPN fast fail-over

draft-morin-l3vpn-mvpn-fast-failover-02

Wim Henderickx, Praveen Muley – Alcatel Lucent
Thomas Morin – FT Orange
Yakov Rekhter, Rahul Aggarwal – Juniper
Proposal was already presented last IETF

Two mechanisms to reduce connectivity restoration time for multicast traffic in a VPN context, for failures on the upstream PE side:
  - UMH Selection based on P-tunnel status: avoid waiting for unicast convergence
  - Standby C-multicast route: avoid signaling at failure-time by preparing the backup upstream PE

These mechanisms can be used, independently or together, depending on the failure coverage and level of protection wanted

Different levels of protection: cold, warm, hot, leaf hot
• In -02, clarifications were added on:
  – hot protection
  – prerequisite that downstream nodes must have two unicast routes to the source, with distinct RDs

• Inter-AS will be covered in next revision

• We would like to ask for WG adoption