

draft-sajassi-bess-evpn-fast-df-recovery- 02.txt

A. Sajassi (Cisco), B. G Badoni (Cisco),
Dhananjaya Rao (Cisco), P. Brissette
(Cisco), J. Drake (Juniper), J. Rabadan
(Nokia)

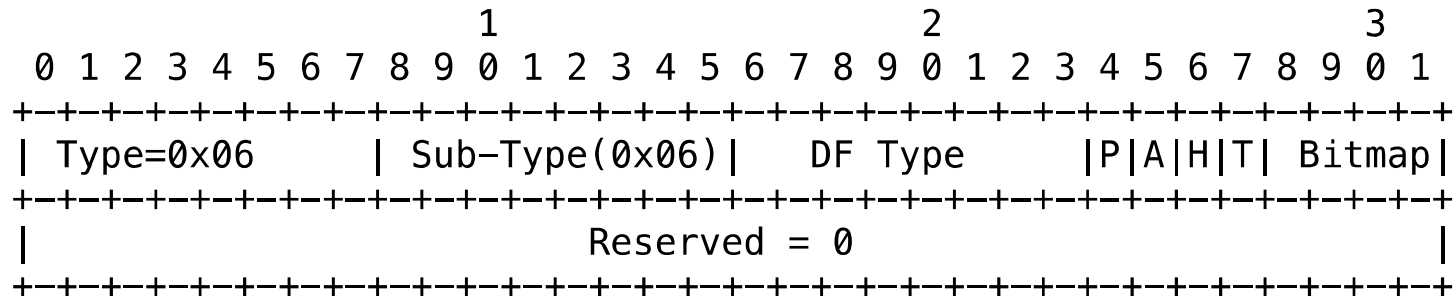
IETF 101, March 2018

London

History

- Presented Rev00 at IETF 98 in Chicago and has been around for a year
- The draft describes incremental changes on top of HRW for faster DF election upon PE recovery or insertion
- Two methods for fast recovery and eliminating/reducing transient black-holing are introduced
 1. Handshaking between recovered PE and other PEs in the redundancy group
 2. Time-synchronization and uni-direction signaling between recovered PE and other PEs in the redundancy group

Changes from Rev00



- Introduces two new capability bits to DF Election EC based on the DF merge draft (draft-ietf-bess-evpn-df-election-framework-00)
- **H** : When set to 1, it indicates the desire to use Handshaking capability with the rest of the PEs in the ES. This capability can only be used with a selected number of DF election algorithms such as HRW and Preference-based.
- **T** : When set to 1, it indicates the desire to use Time Synchronization capability with the rest of the PEs in the ES. This capability is used in conjunction with the agreed upon DF Type (DF Election Type). For example if all the PEs in the ES indicated that they have Time Synchronization capability and they want the DF type be of HRW, then HRW algorithm is

Next Step

- Request for WG call