

# BIER Redundant Ingress Router Failover

## draft-ietf-bier-source-protection-05

BIER WG

IETF119

Sandy Zhang (ZTE)

Gregory Mirsky (Ericsson)

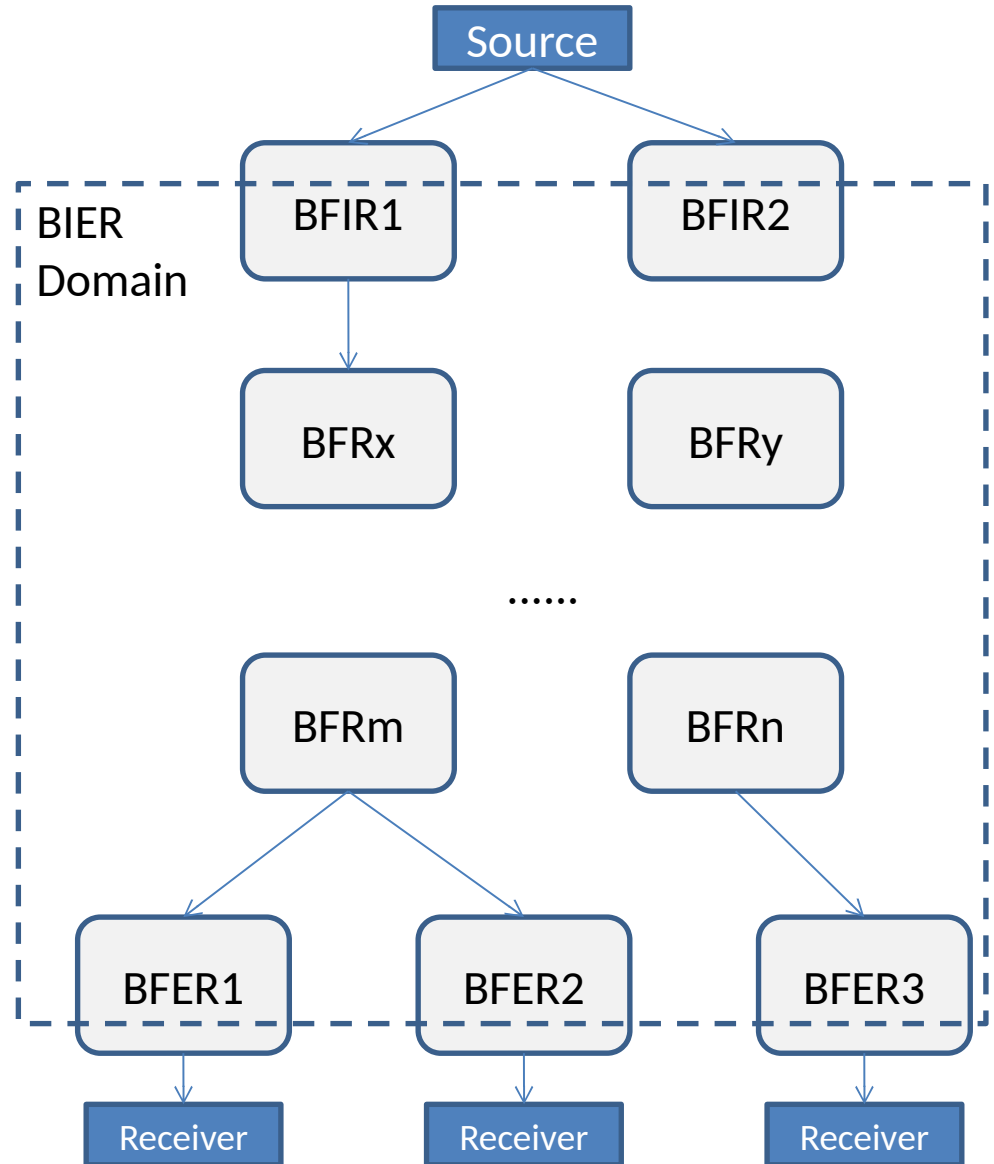
Quan Xiong (ZTE)

Yisong Liu (China Mobile)

Huanan Li (China Telecom)

# Brief Introduction

- Informational draft. Discuss the scenario that the multicast source connects two ingress router (BFIRs) to avoid single node failure.
- Three modes (Cold, Warm, Hot) are compared for BFER designed UMH selection, and associated detection and switchover methods are discussed, including BIER specific detection methods (BIER Ping, BIER BFD).



# Clarification with other drafts

- This draft focuses on the environment that BIER is used as transport layer technology. And the BIER specific technologies can be used for candidate UMH failure detection. The overlay protection such as duplicated sources are not included in this draft.
- Draft-ietf-mboned-redundant-ingress-failover discusses the multicast redundant ingress router failover issue in general perspectives and doesn't discuss the detail in BIER environment.
- The three modes (Cold, Warm, Hot) for the ingress nodes are from RFC9026, which defines MVPN extensions and procedures that allow fast failover for upstream. MVPN is used as BIER overlay and isn't covered by this draft.
- This draft would like to bring some information for operator to select the suitable technologies in BIER deployments.

- This draft adopted after IETF 110.
- The authors would like to ask for WGLC.
- More review and comments welcomed.

Thanks!