

draft-ietf-bier-mld-01

**BIER Ingress Multicast Flow
Overlay using Multicast Listener
Discovery Protocols**

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BIER MLD/IGMP

- MLDv2/IGMPv3 overlay is used to inform ingress BIER routers which egress BIER routers should receive which flows
- Added text about MTU
 - IGMPv3 reports can get big by including a large number of groups
 - Need to make sure report is not too big to reach all potential ingress routers
 - One can use a safe configurable value, or rely on MTU discovery
 - Prefer to minimize the number of messages by using the maximum size possible
- No other changes
- Uses configurable multicast groups for all BMLD queriers/nodes
 - Prefer not to make use of existing groups for all-nodes and all MLDv2 routers as it is domain-wide rather than link-local
 - Depends whether we regard BIER as one hop, as a single link.
 - Allow multiple instances, e.g. multiple sub-domains, by using different group addresses
 - Most deployments probably need only 1 instance.
 - Should we request new well-known groups from IANA to simplify configuration?
 - IGMP overlay requires no configuration if we do this.