BIER Prefix Redistribute
draft-ietf-bier-prefix-redistribute-04

BIER WG

IETF116# Yokohama

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Brief Review

- A single BIER sub-domain covers multiple underlay routing protocol regions (Autonomous Systems or IGP domains).

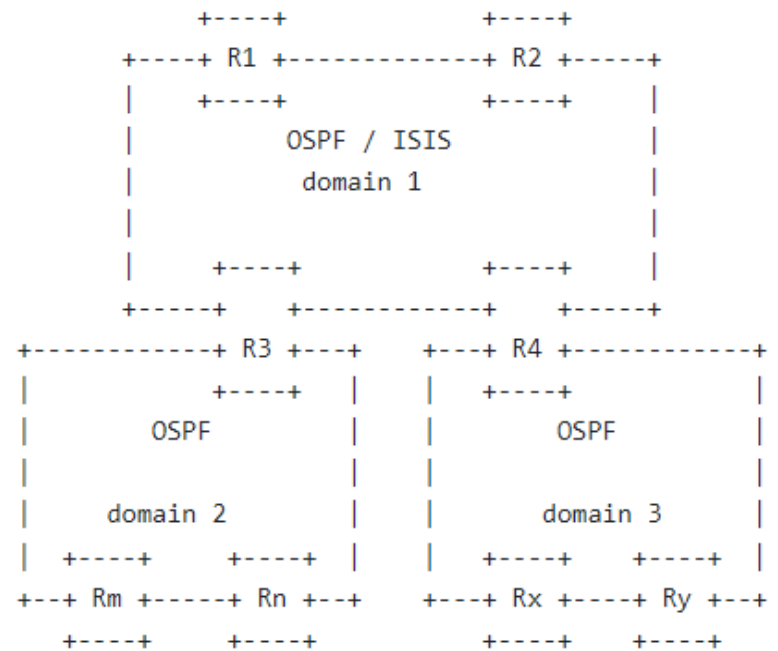 - How do we redistribute BIER information between them?

- What if BGP-LU is used, and BIER prefixes are not redistributed into other IGP areas/domains?
  - Border routers advertise their own BIER prefixes with a BIER proxy range sub-TLV to list external BFR-IDs that are reachable via them

```
+----+                    +----+
+-----+ R1 +-------------+ R2 +-----+
|     +----+                +----+     |
|              OSPF / ISIS             |
|               domain 1               |
|                                      |
|                                      |
|     +----+                +----+     |
+-----+    +-------------+    +-----+
+-----------+ R3 +---+    +--- R4 +-----------+
|     +----+    |    |    +----+              |
|     OSPF     |    |    |     OSPF           |
|              |    |    |                    |
|   domain 2   |    |    |    domain 3        |
| +----+    +----+ |    | +----+    +----+ |
+--+ Rm +-----+ Rn +--+    +---+ Rx +-----+ Ry +--+
   +----+    +----+          +----+    +----+

                    Figure 1
```

Update from 02-04

- The Subdomain-id in Proxy Range sub-tlv removed
  - Because there is the subdomain-id field already in BIER Sub-TLV, it is not necessary to carry the repeated subdomain-id in the BIER proxy range sub-TLV.

- The examples in the draft improved according to RFC6890

- Comments and review welcomed
- Request for WGLC

- Thanks!