BIER Prefix Redistribute
draft-ietf-bier-prefix-redistribute-02

BIER WG

IETF115# London

Sandy Zhang
Bo Wu
Jeffrey Zhang (presenter)
IJsbrand Wijnands
Yisong Liu
Hooman Bidgoli

1

Juniper Business Use Only

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?

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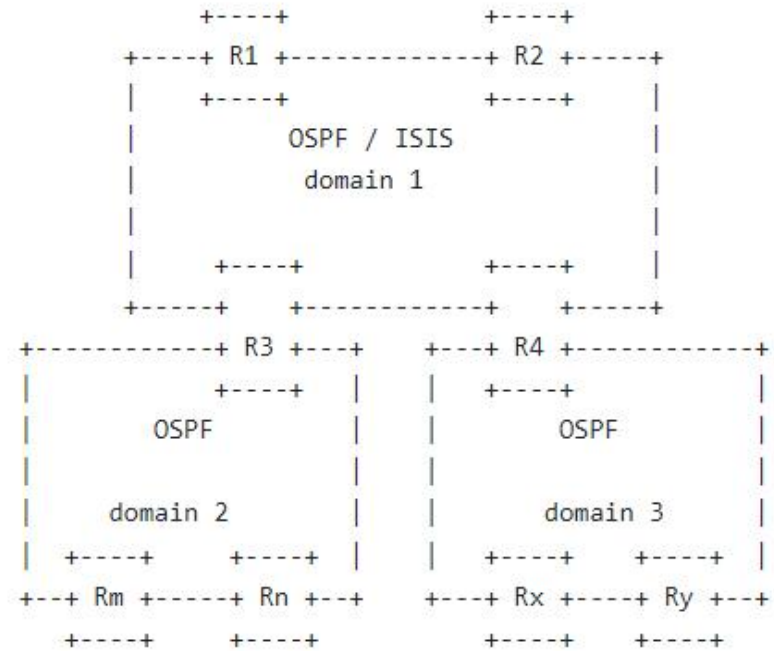
Figure 1

- 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

2

Update from 00-02

- The layout and description of this draft have been improved greatly.
- Thanks for all the comments received.

- Looking for shepherd and more review
- WGLC?

- Thanks!