Flex Algorithm for BIER

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Flex Algo for BIER

Algo "x" Green – High Bandwidth
Algo "y" Red   – Best Effort
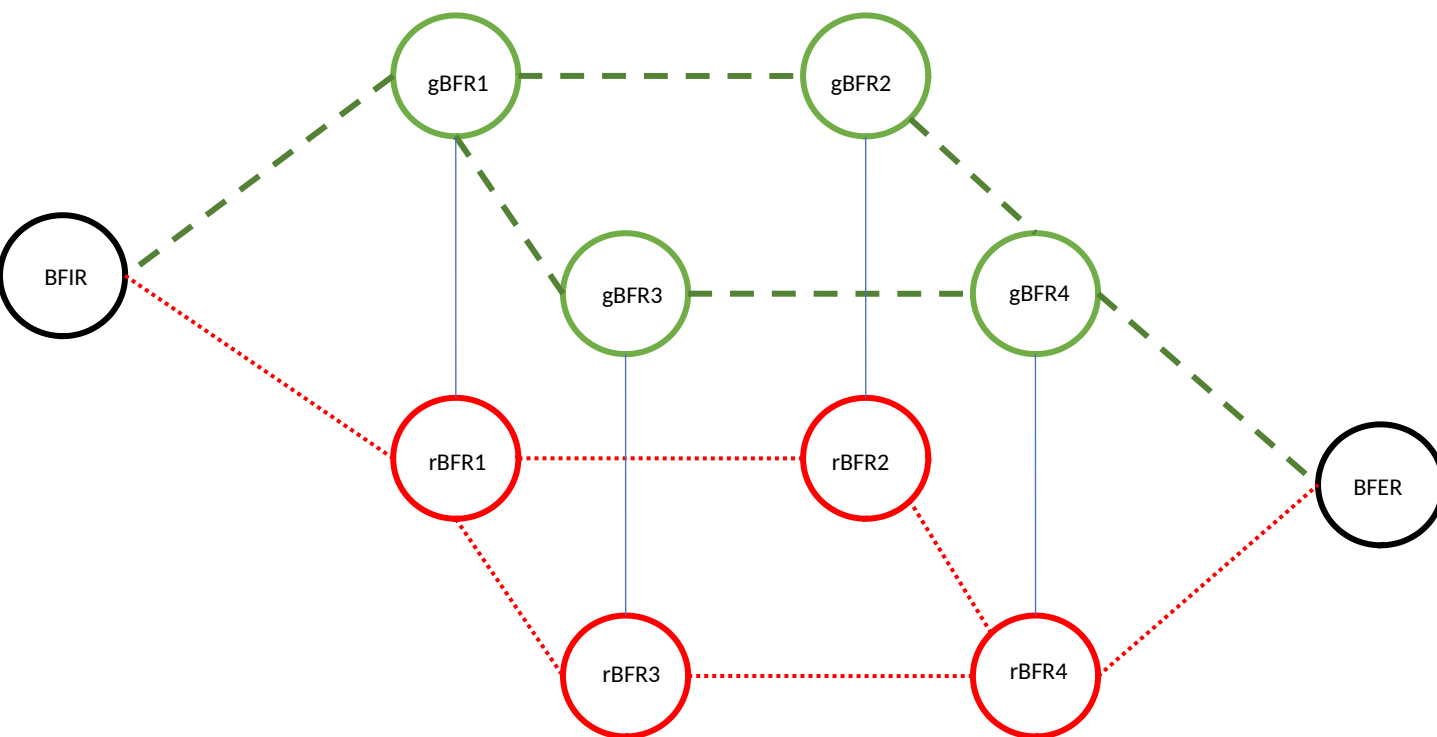
- BIER (RFC8279) defines new replication mechanism.
- There are use cases where deployment expect to steer traffic across network through per determined path using Flex Algo
- How do we communicate this in BIER Domain?
- This Informational draft provides framework to use Flex algo for BIER forwarding.
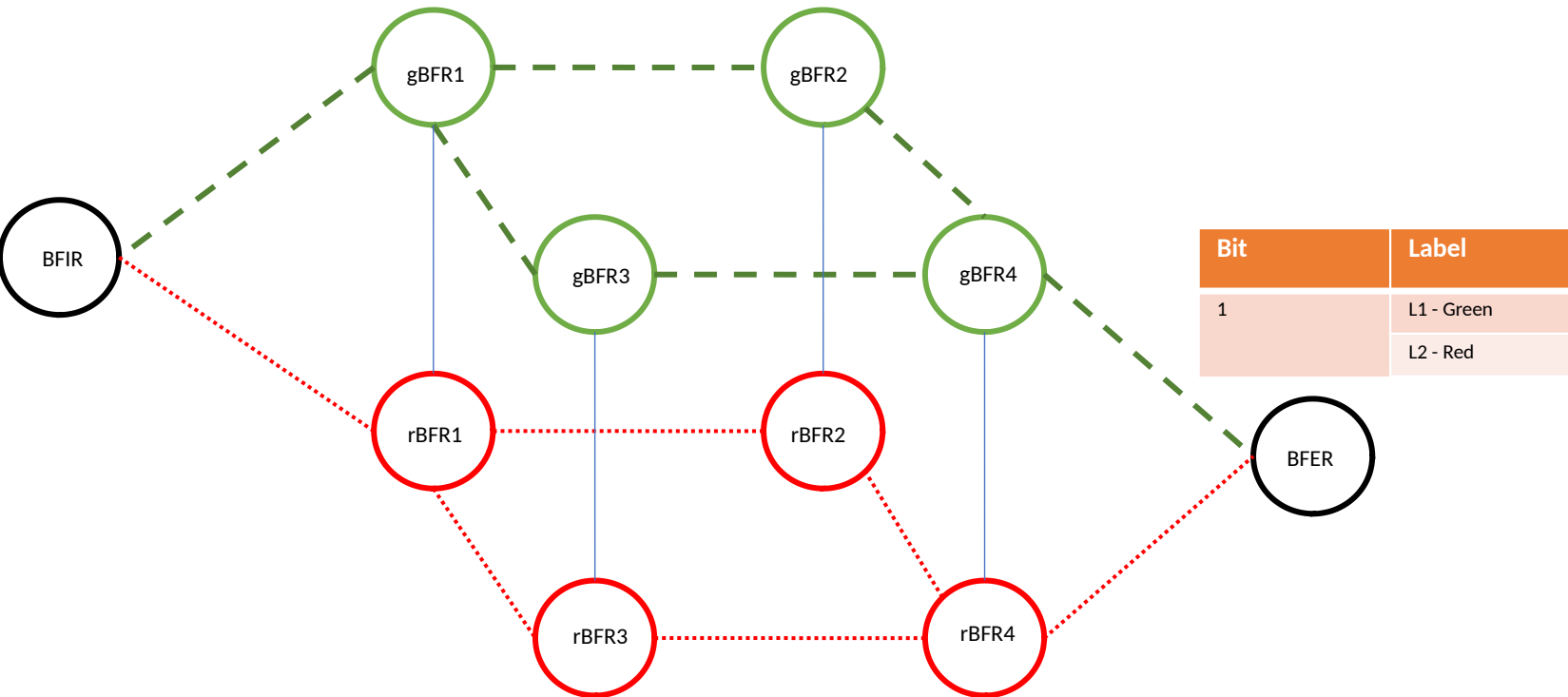
Sub-domain per slice (Algorithm)
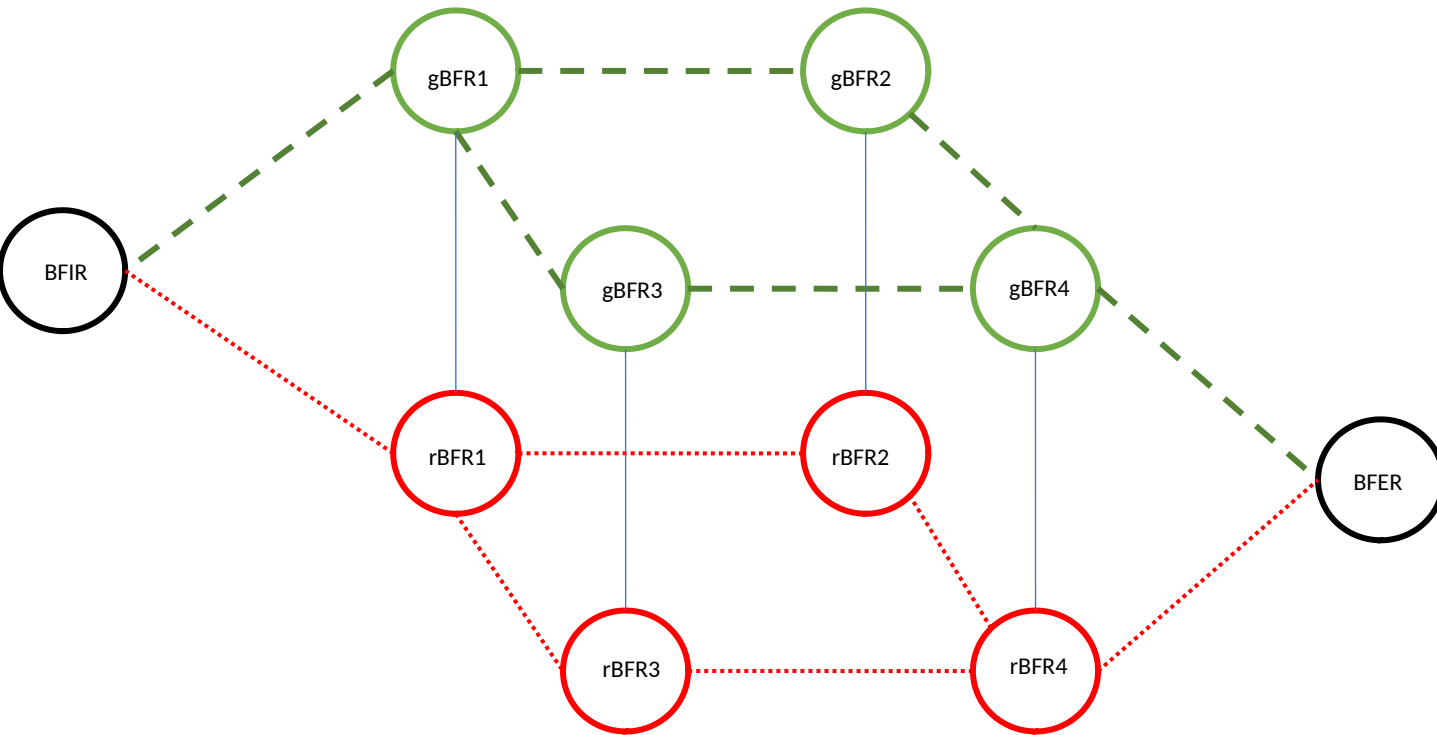
- Assign Different sub-domain for different algorithm
- Use procedure from **draft-ietf-bier-bar-ipa-06** advertise information in BEIR domain

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Label per algorithm (MPLS data plane)

Bit	Label
1	L1 - Green
	L2 - Red

- Assign different label for each algorithm type
- Information is distributed using IGP extension
- Ingress Router uses Label based on which slice this traffic belongs to

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- WG feedback on procedures .
- Ongoing work, current version was only to state the problem statement.