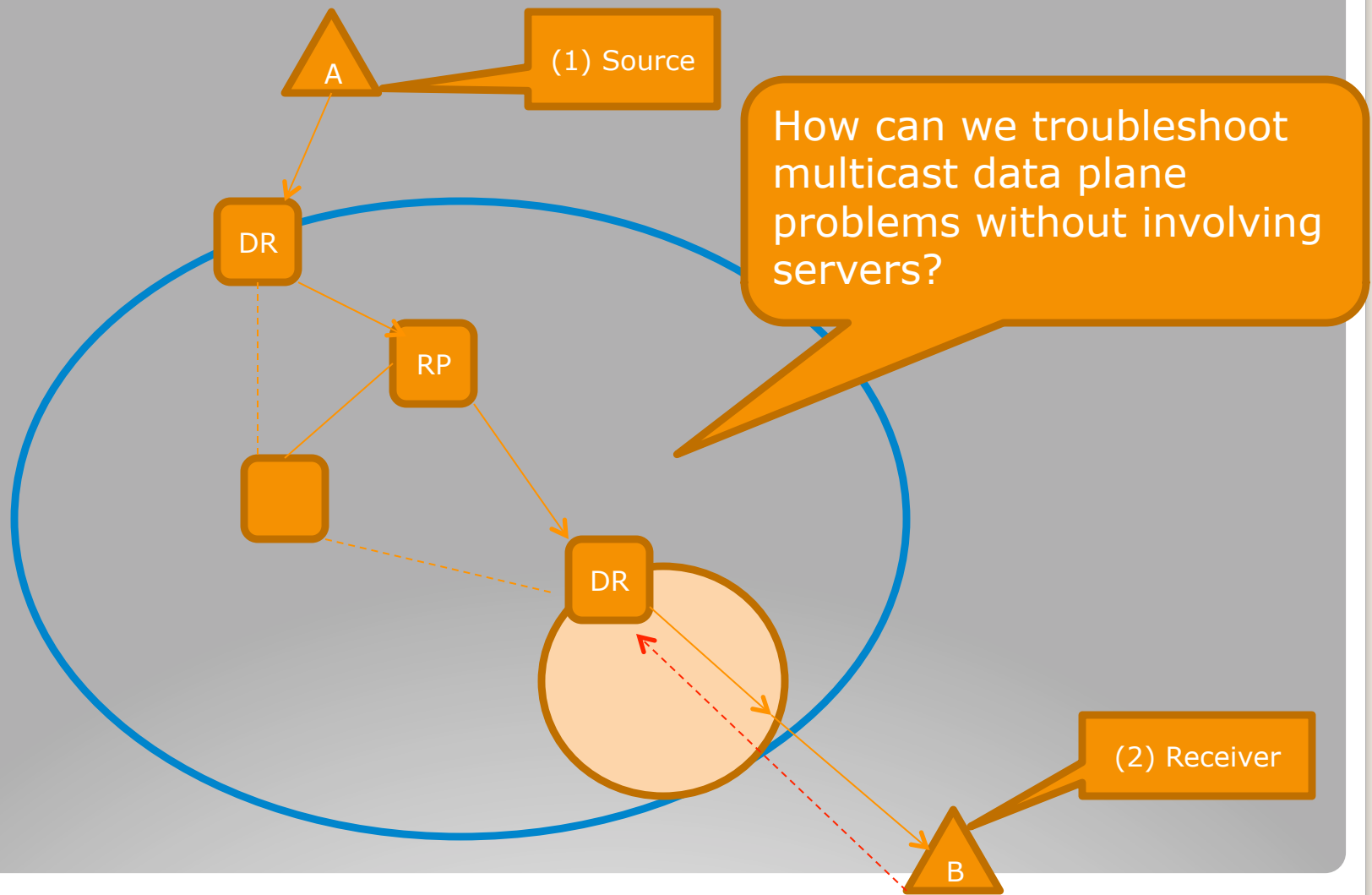


Multicast data plane OAM

draft-tissa-pim-mcastoam-00

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Problem Space



Multicast data plane troubleshooting challenges

- How to troubleshoot (*,G) and (S,G) dataplane connectivity issues without getting servers involved
 - Can be very useful for hosting service providers
- How to discover Routers performing different roles
- How to verify data plane and control plane alignments

What this draft provides ?

- Framework is built on ICMP
- Messaging framework that can be utilized to troubleshoot (S,G) and (*,G) forwarding
 - facilitate by having ability to include source address S in the IP address field and Option to include originator IP address where response to be sent.
- Allows to verify data plane and control plane alignments
- Allows to discover roles played by routers

Questions

- Your feedback on the problem space and need of an integrated tool that can be exercised from routers or within the network ?
- Questions on message format etc..