DLEP Link Identifiers

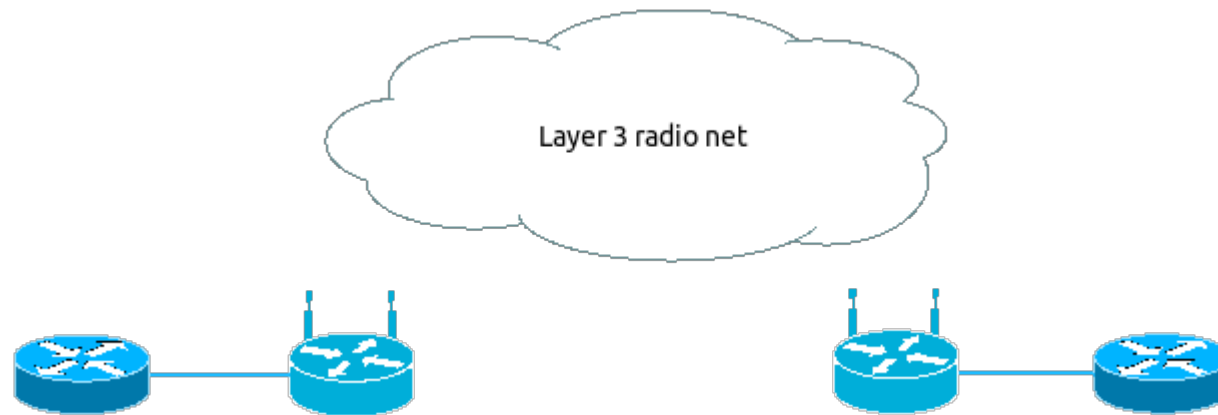## draft-dlep-lid-02

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The Problem

RFC8175 requires a single layer 2 domain

Layer 3 radios

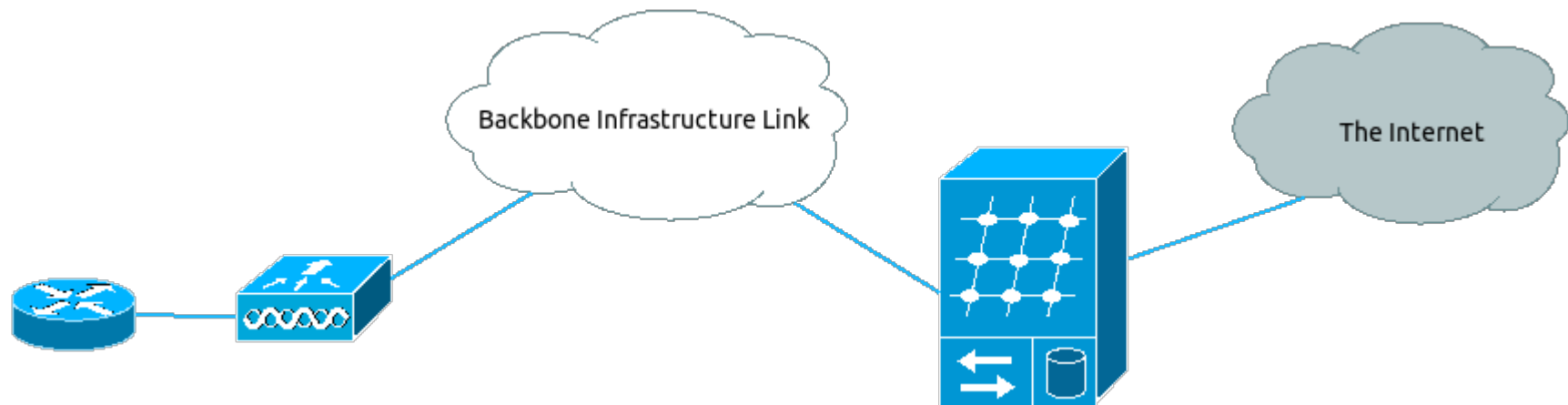Some radio systems do layer 3 routing, not layer 2 forwarding:

- – MAC address of destination router is not valid

Infrastructure Access Point

DLEP is useful for wireless links to upstream infrastructure, e.g. WiFi, 3G/LTE:

– There is no destination router *per se*

Link Identifiers

- New DLEP Data Item

- An opaque identifier of a DLEP destination *beyond* the layer 2 domain, defined by the modem

- The MAC Address Data Item indicates the last layer 2 forwarder for the destination

- Link Id unique per MAC address

- Requires the use of layer 3 Data Items:
  - IP addresses, and/or
  - Attached subnets

Next Steps

- We think it is feature complete
  - Short and simple
  - More review always good
- Working Group adoption?