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- Abstract: A view of the requirements for layer 2 data within the Detecting Network Attachment group of the IETF, as preceived by the author.. This document is not reviewed by the IAB or the DNA working group.

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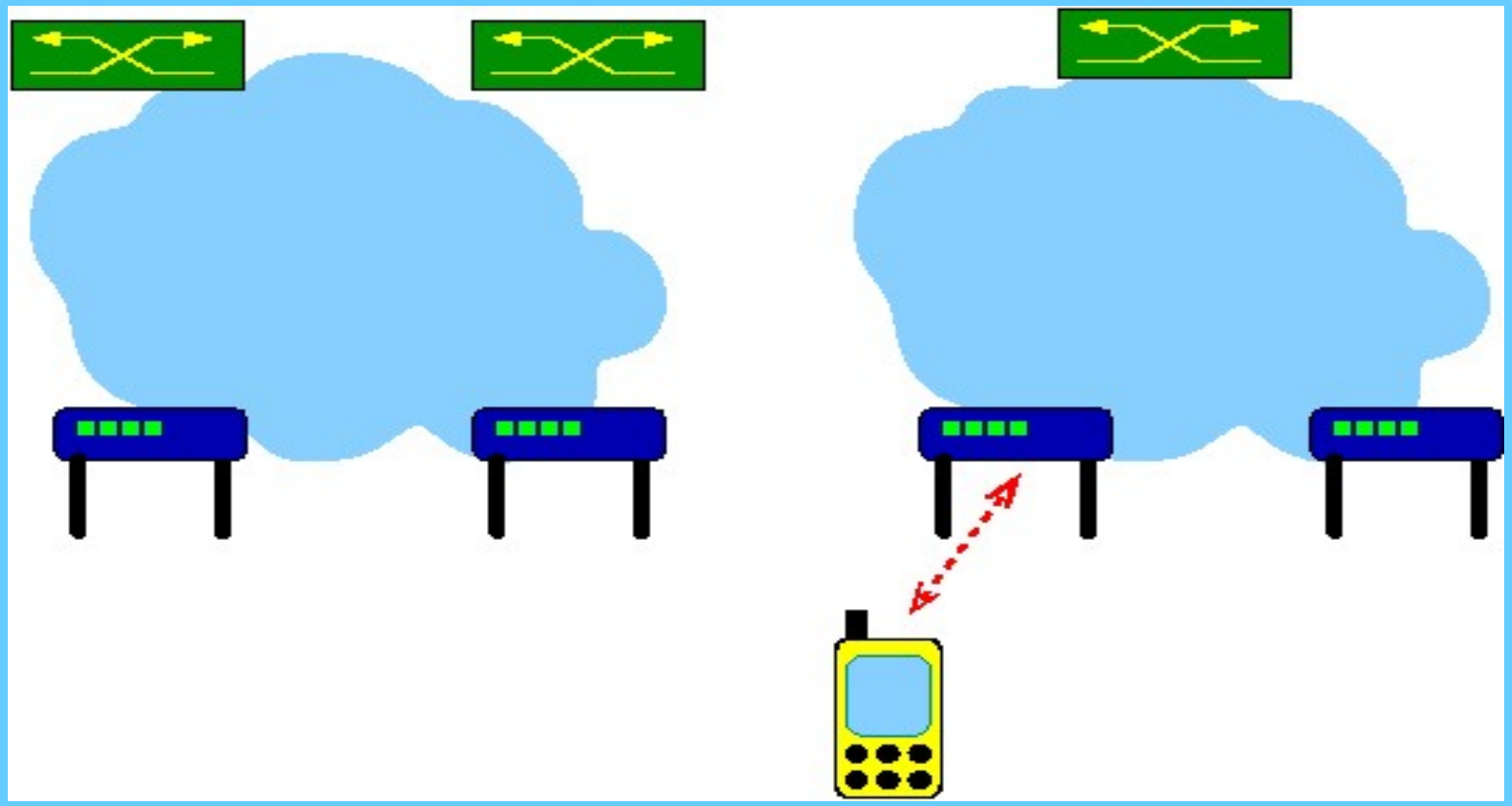
Detecting Network Attachment

- IETF working group on “Change Detection for intermittently connected and mobile devices”.
- A device changes its point-of-attachment
- DNA asks:
- Does connectivity change mean configuration change at the Internet layer?

Existing Requirements within DNA



Existing Requirements within DNA

- Link-layer independent signaling
- Uses link-establishment to start soliciting router
- May use link-termination indication to stop transmissions
- Rapid information gathering
- Distinguish between multiple routers and different L3 links

DNA documents referencing layer 2

- draft-ietf-dna-goals (in RFC-editor queue)
- draft-ietf-dna-link-information
- draft-narayanan-dna-hosts-bcp
- draft-jinchoi-dna-cpl
- draft-dnadt-dna-design-discussion
- draft-jinchoi-dna-soln-framework
- draft-ietf-dhc-dna (IPv4, DHC working group)