Mutually Exclusive Link Group (MELG)

draft-beeram-ccamp-melg-01.txt

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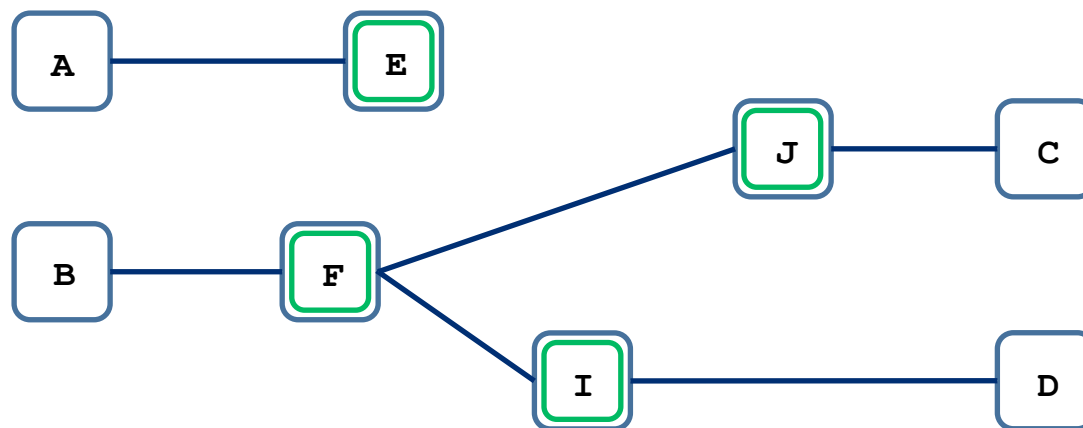
[Ericsson]

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Recap

- Presented ['00] in IETF 86
- Discussion on mailing list
  - Abstraction/Virtual-TE Links
  - Concurrent Client Path Computation
  - Static vs Dynamic Virtual TE Link Mutual Exclusivity

Static vs Dynamic Virtual TE Link Mutual Exclusivity

- ## Static
  - Permanent within a given network configuration
  - Resource used in its entirety by a single Virtual TE link (when committed)

- ## Dynamic
  - Temporary within a given network configuration
  - Resource shared simultaneously in some limited capacity by several Virtual TE links (when committed)
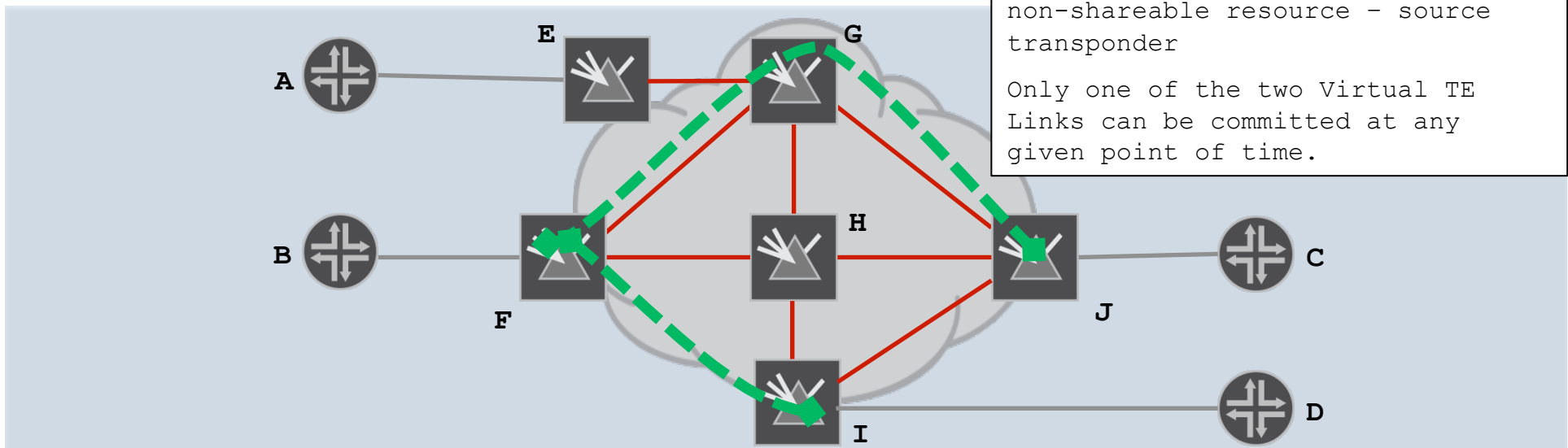
Static Mutual Exclusivity -Example
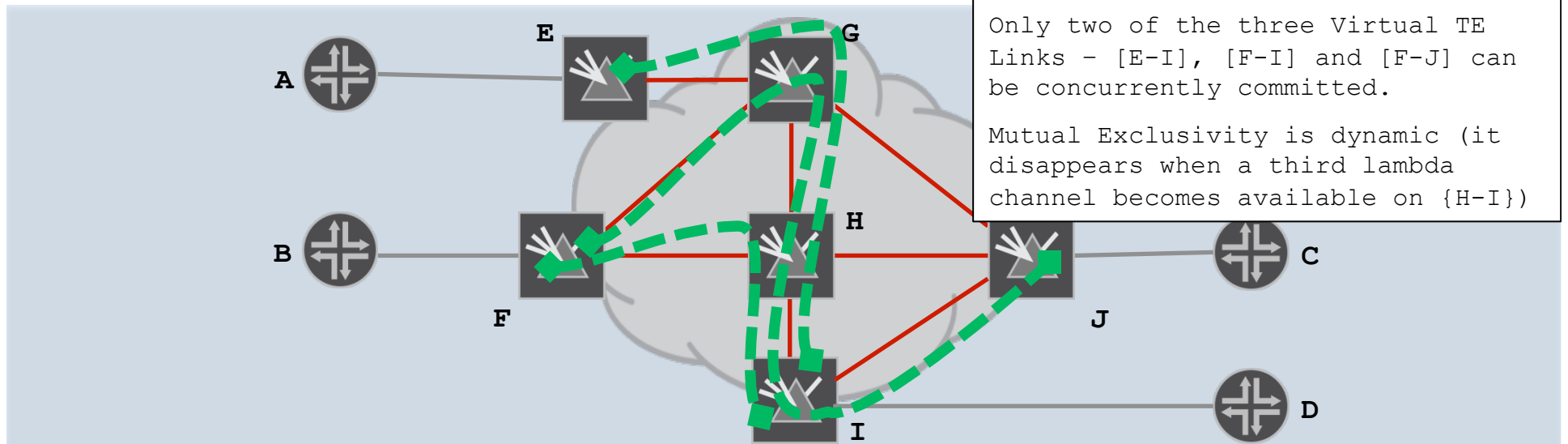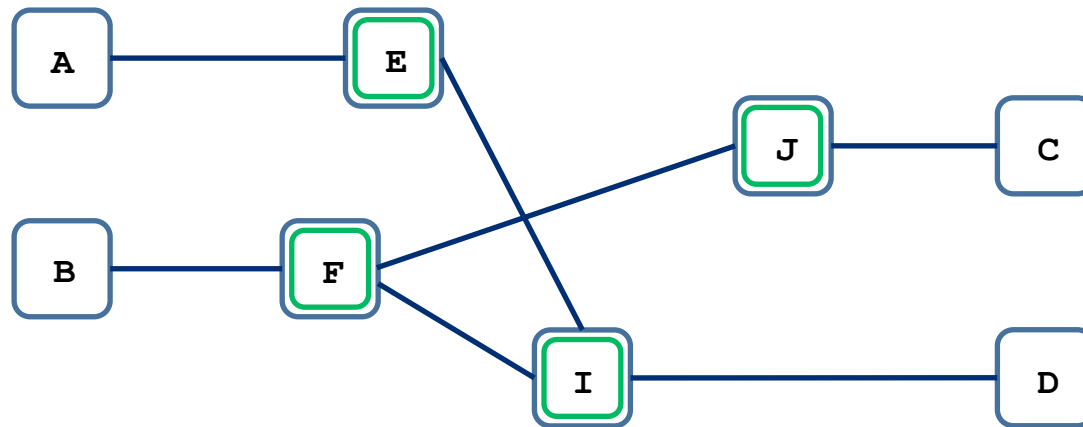
Client
TE Info

Virtual TE Links [F-J] and [F-I]
depend on the usage of the same
non-shareable resource - source
transponder

Only one of the two Virtual TE
Links can be committed at any
given point of time.

Dynamic Mutual Exclusivity - Example

Client
TE Info

Server WDM Link {H-I} has only 2 lambda channels available.

Only two of the three Virtual TE Links – [E-I], [F-I] and [F-J] can be concurrently committed.

Mutual Exclusivity is dynamic (it disappears when a third lambda channel becomes available on {H-I})

['01] Changes

- Clarify the current focus of the MELG draft
  - Static Mutual Exclusivity

Questions

- Separate document for "Dynamic Virtual TE-Link Mutual Exclusivity"?

- Working Group status ?

Thank you