Internet Draft Update

Gateway Aggregation Protocol draft-mase-autoconf-gap-01

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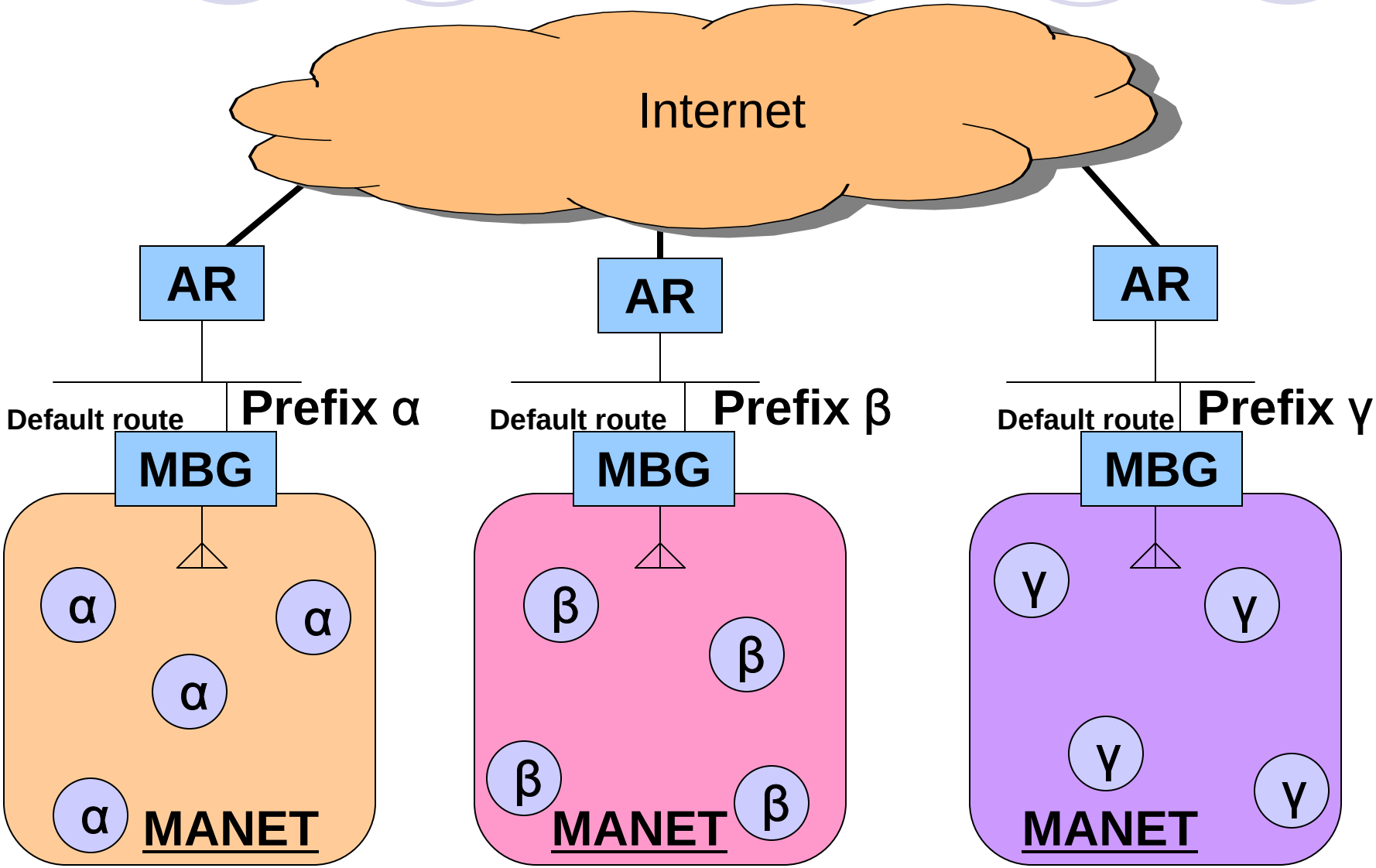
Status

- Update since -00
  - Terminology
  - Basic mechanism enhanced
  - Alignment with packetbb

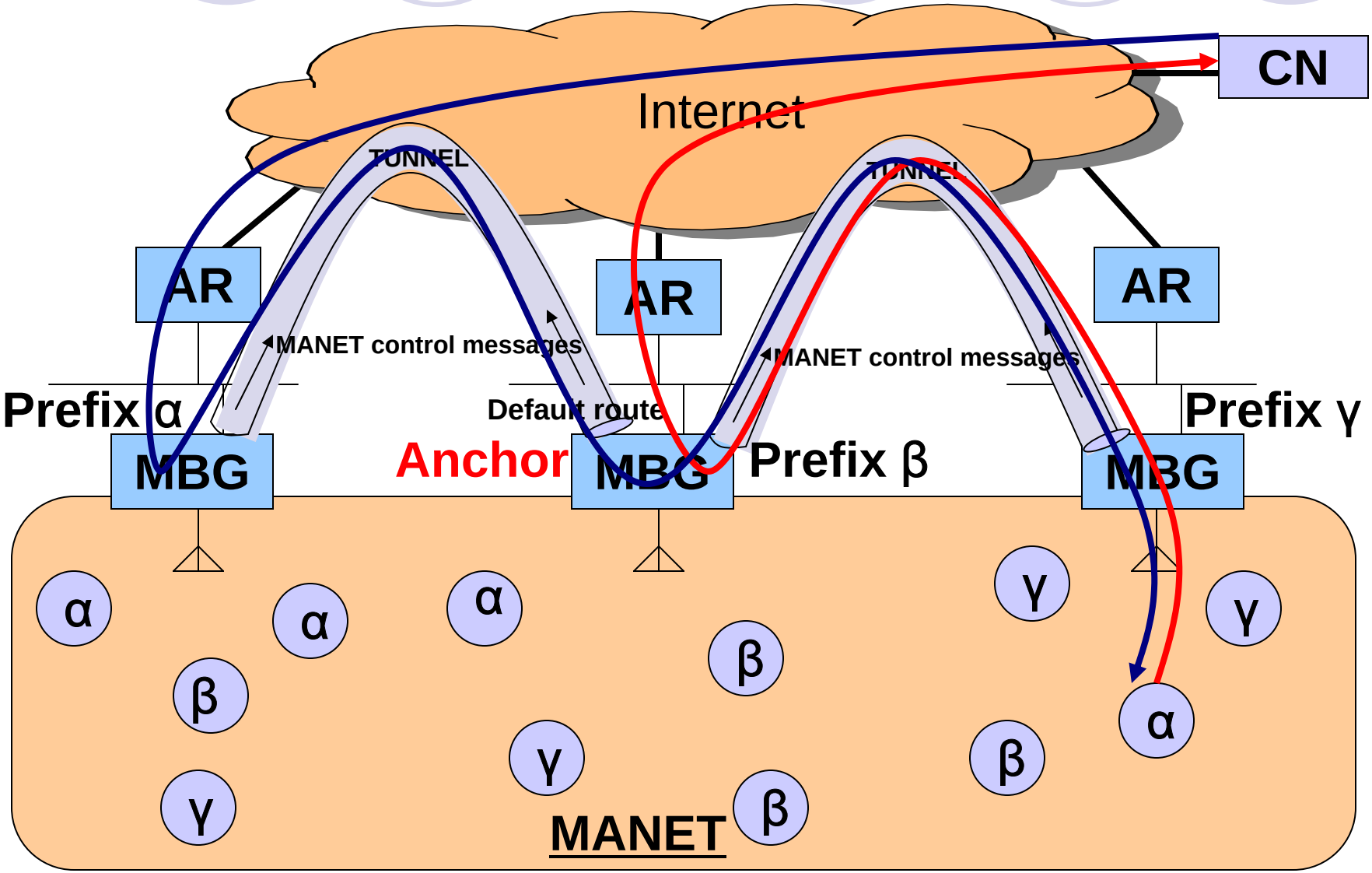
Overview

- Motivation
  - To select a better IGWs in a connected MANET without changing assigned global address.
- Solution
  - IP-in-IP tunnels between MANET Border Gateways.
  - MANET routing control traffic goes through the tunnels.
- Requirement
  - Every MANET Border Gateways must support this protocol.
  - IPv4/IPv6 operation support.

Scenario


Internet
AR
AR
AR
Default route
Prefix α
Default route
Prefix β
Default route
Prefix γ
MBG
MBG
MBG
α
α
α
α
MANET
β
β
β
β
MANET
γ
γ
γ
γ
MANET

Path of the packets



Protocol interaction

MANET	● Detecting default route. ● adding/removing tunnel-edge interfaces to/from MANET interface. ● starting/stopping default route advertisement.
AUTOCONF	● global IP address assignment and prefix advertisement.
GAP	● Anchor MBG selection. ● establishing tunnels between MBG.

Next step

- Route optimization
- Extension for other scenarios / use cases?

- Questions?