

# HIP Mobile Router

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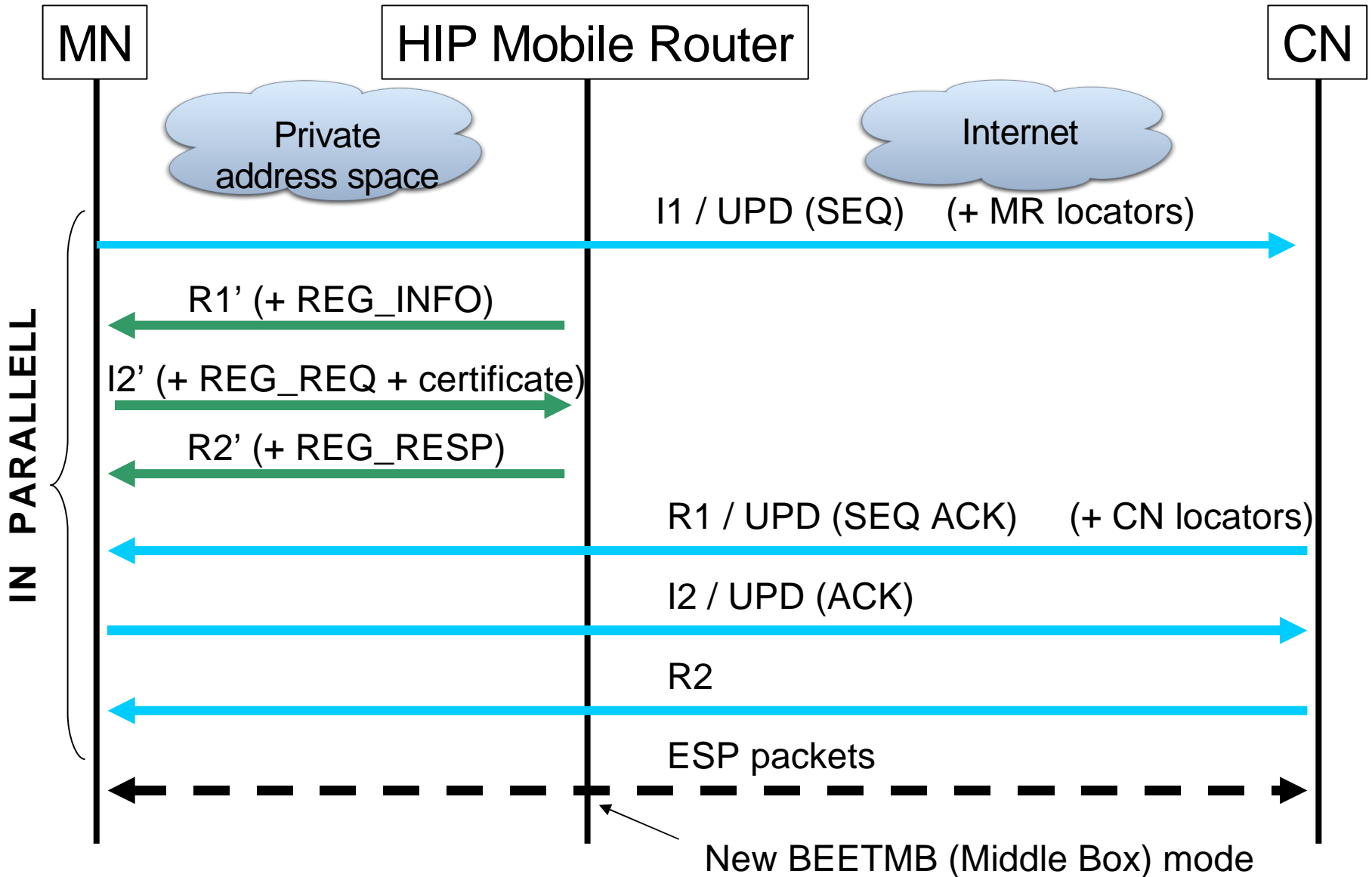
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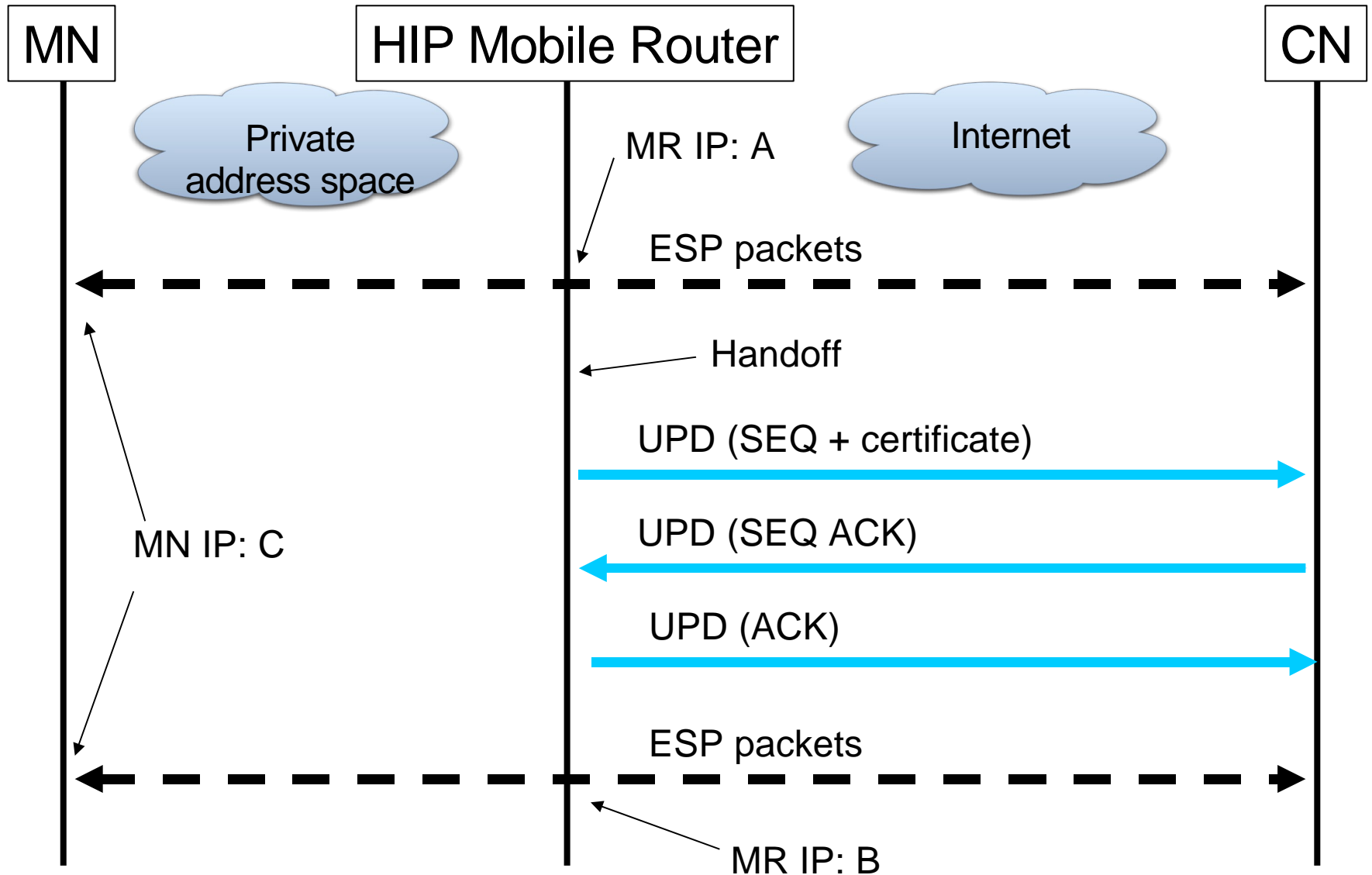
# HIP Mobile Router

- Signaling delegation between HITs
  - MR sends location updates on behalf of clients
  - Certificate-based authorization & authentication
  - Supports nested moving networks
- Hides the network mobility from MR's clients
  - Private address space in moving network
- New BEETMB (Middle Box) mode in MR
- MR service discovery

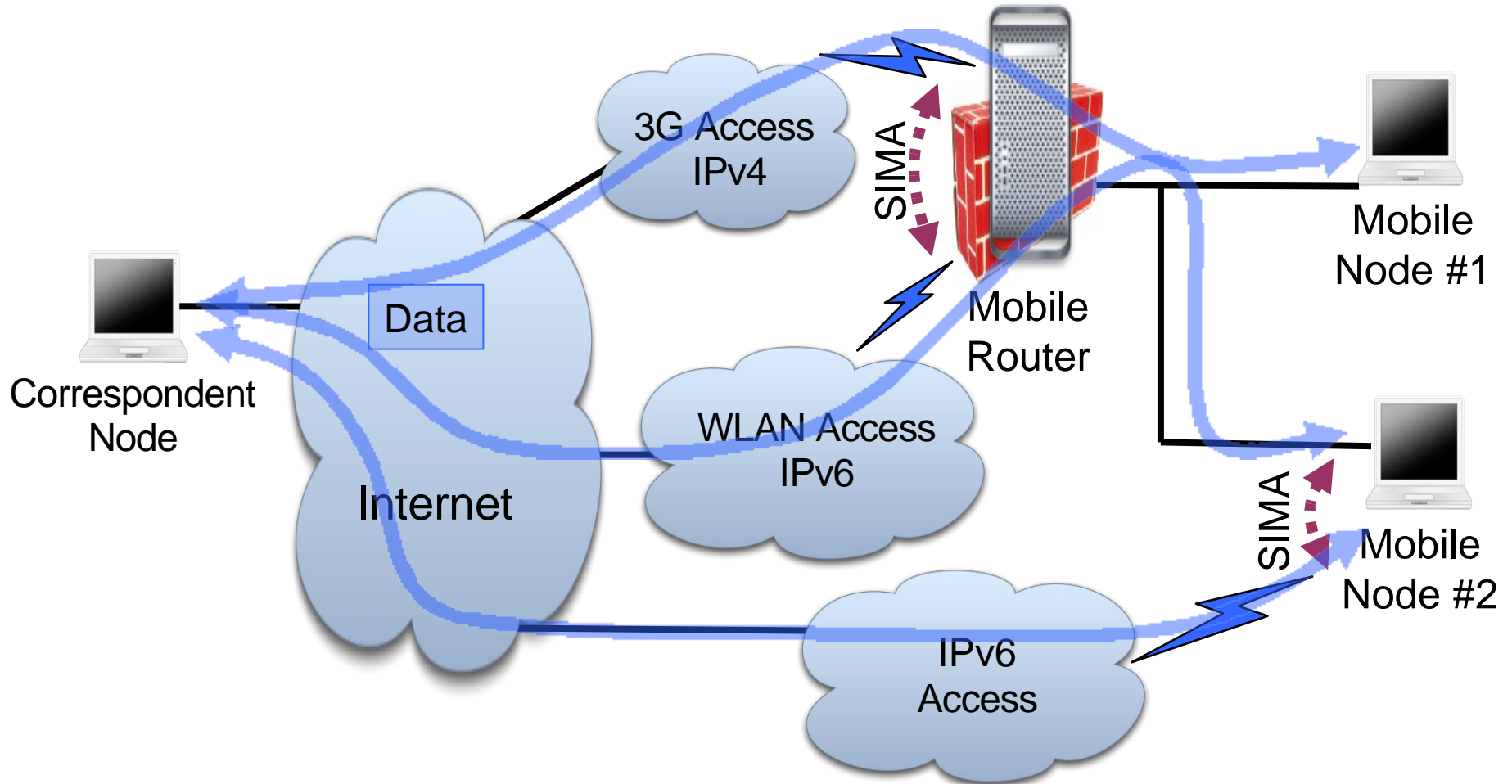
# HIP MR state establishment



# HIP MR location update



# Implemented HIP MR demo scenario



# SPI collisions

- It is possible that SPI values collide
  - SPI needs to be modified
  - Problems e.g. SPI value integrity protected
- “SPINAT: Integrating IPsec Into Overlay Routing”
  - J. Ylitalo, P. Salmela, H. Tschofenig
  - SecureComm'05