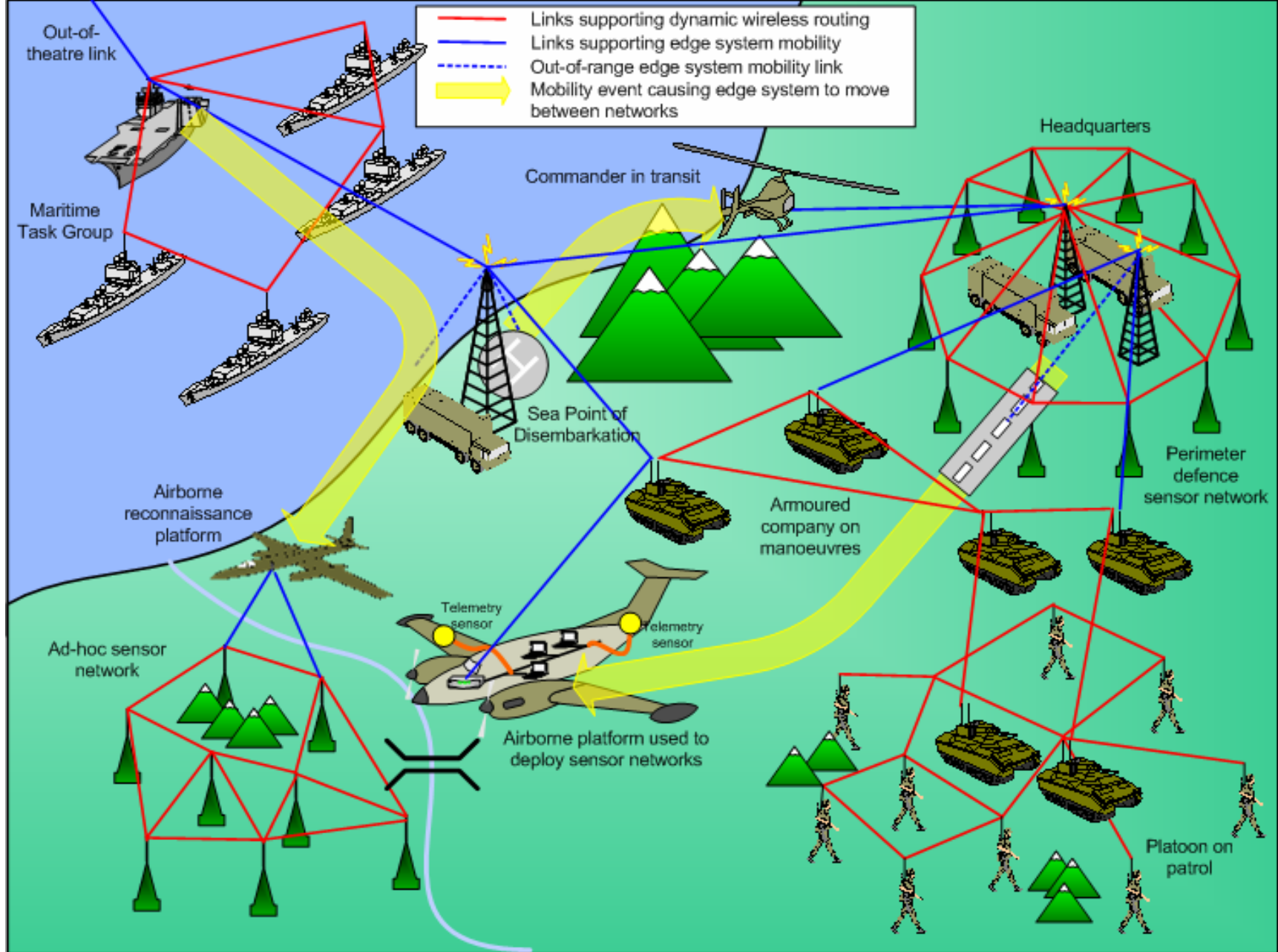


MANEMO scenarios and requirements

Teco Boot

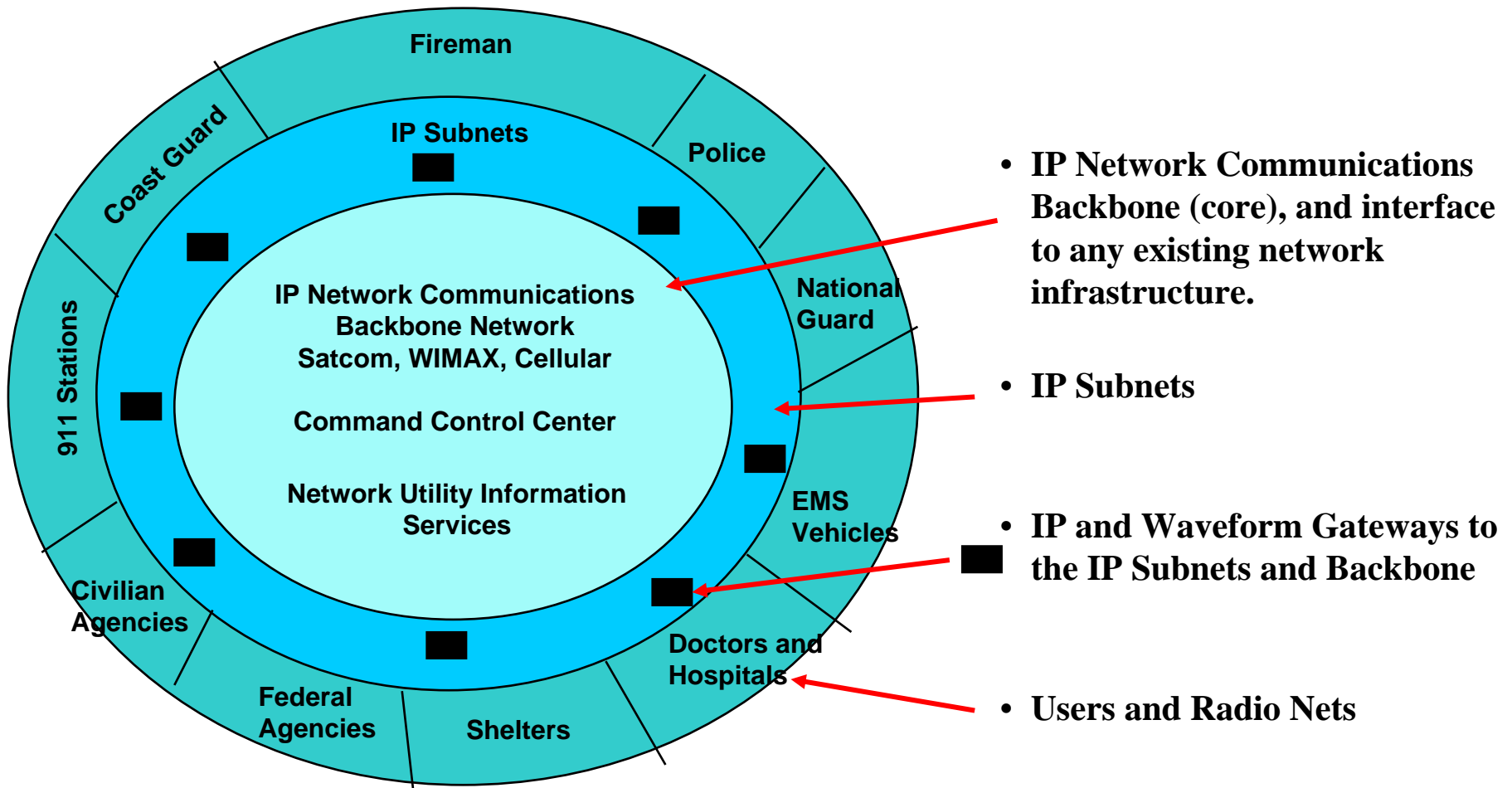
IETF-69 – Autoconf WG

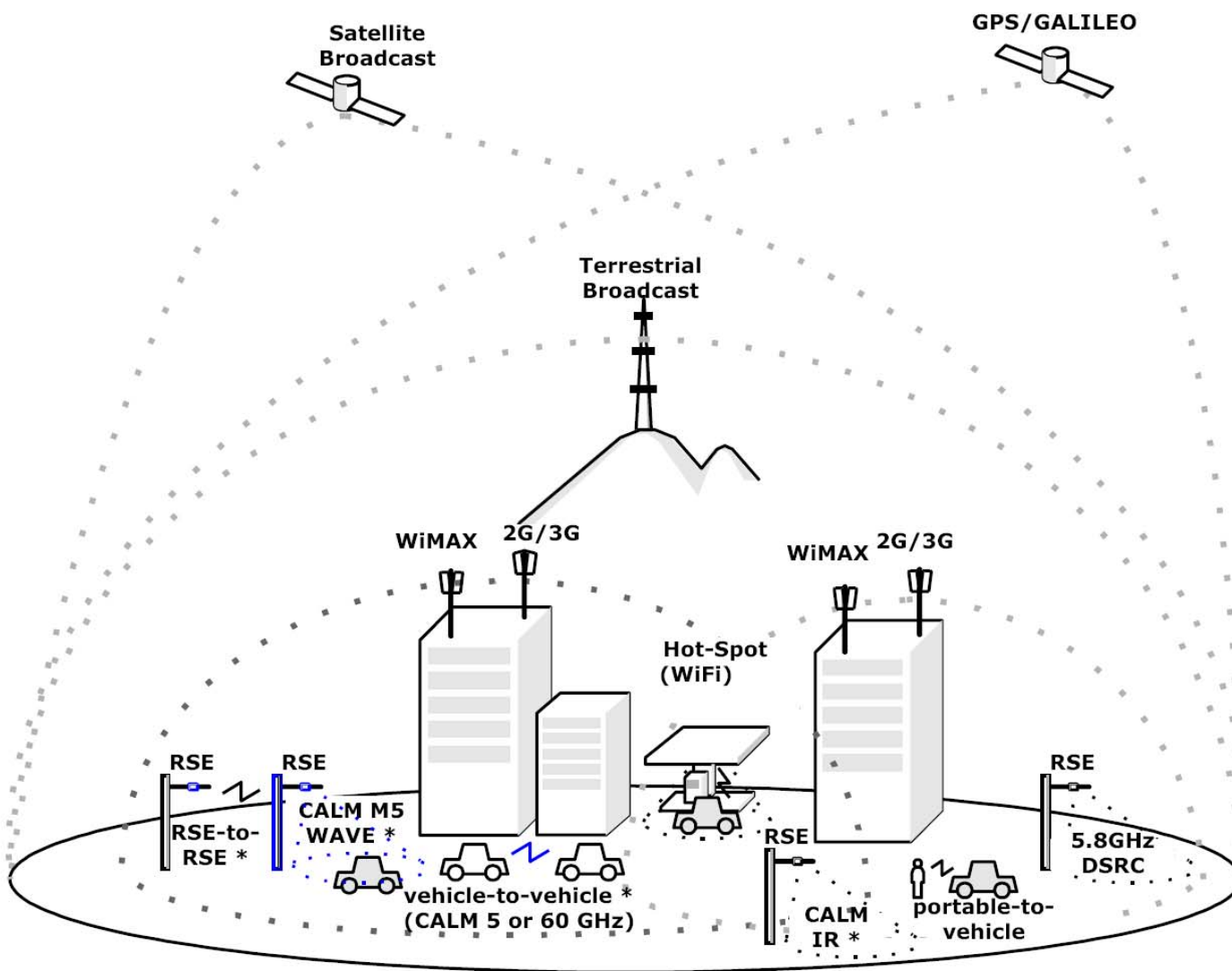
July 23, 2007



Military: Deployed and mobile networks

(source INSC)

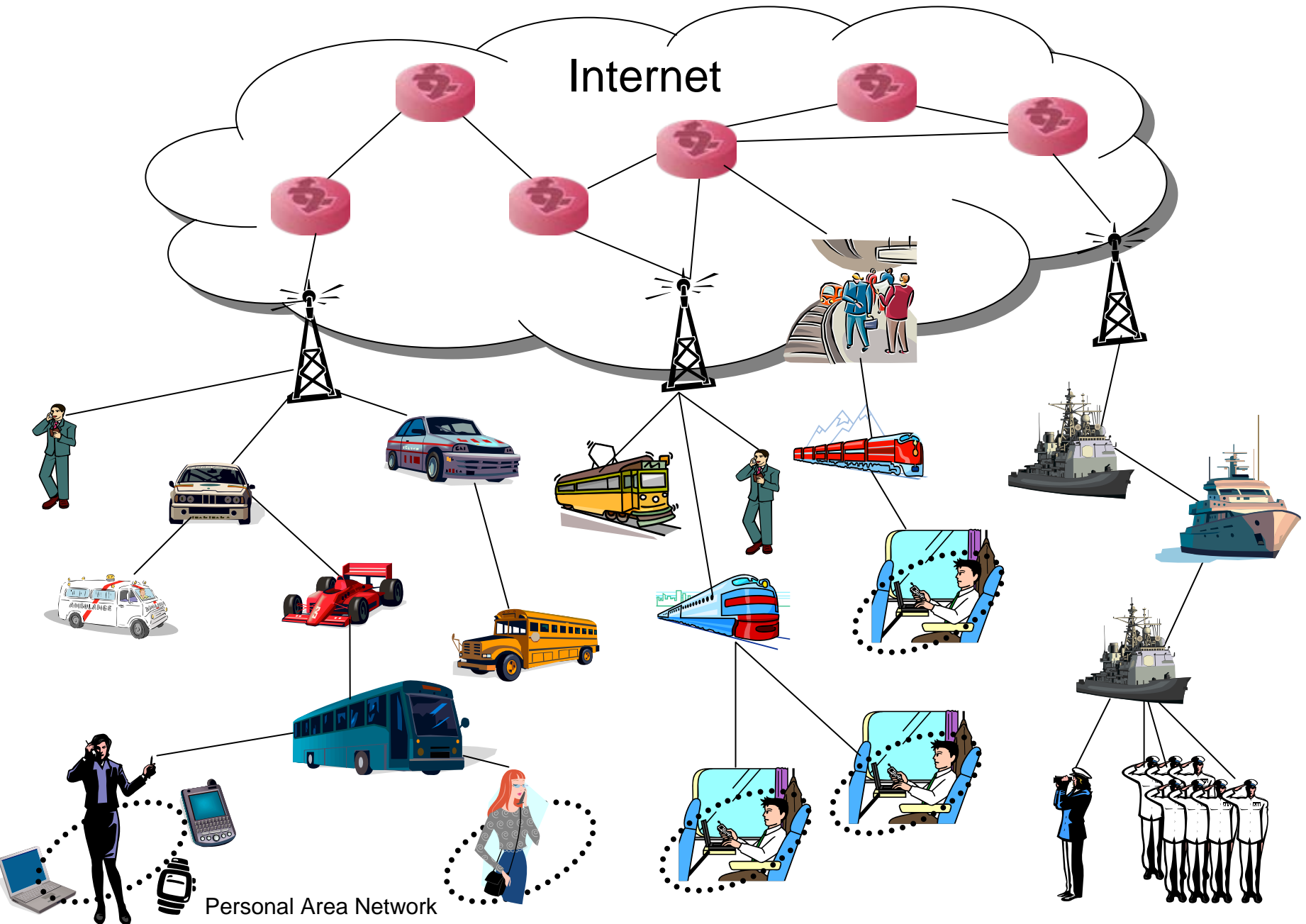




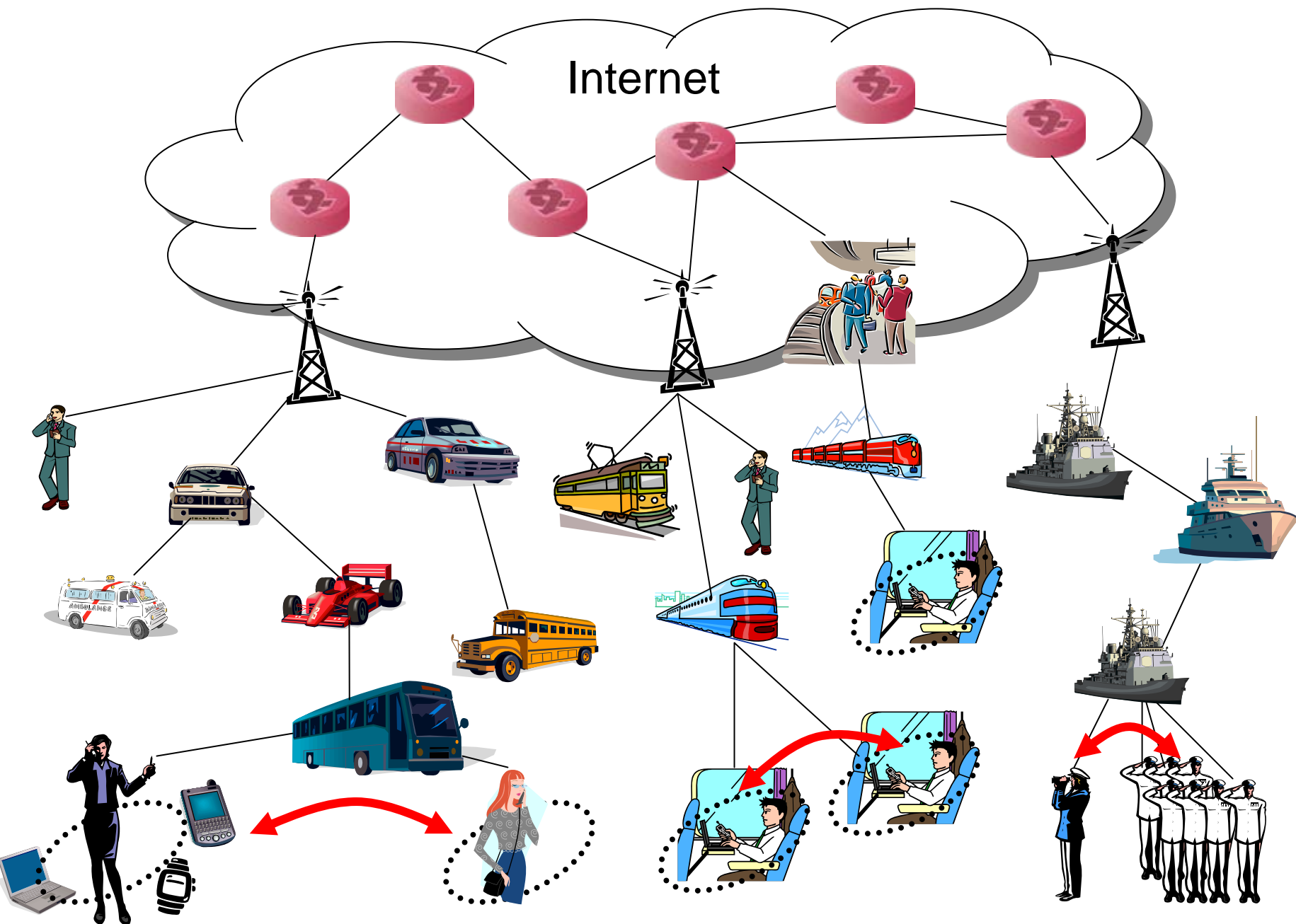
Vehicle to vehicle: C2C-CC, CALM

(source CALM)

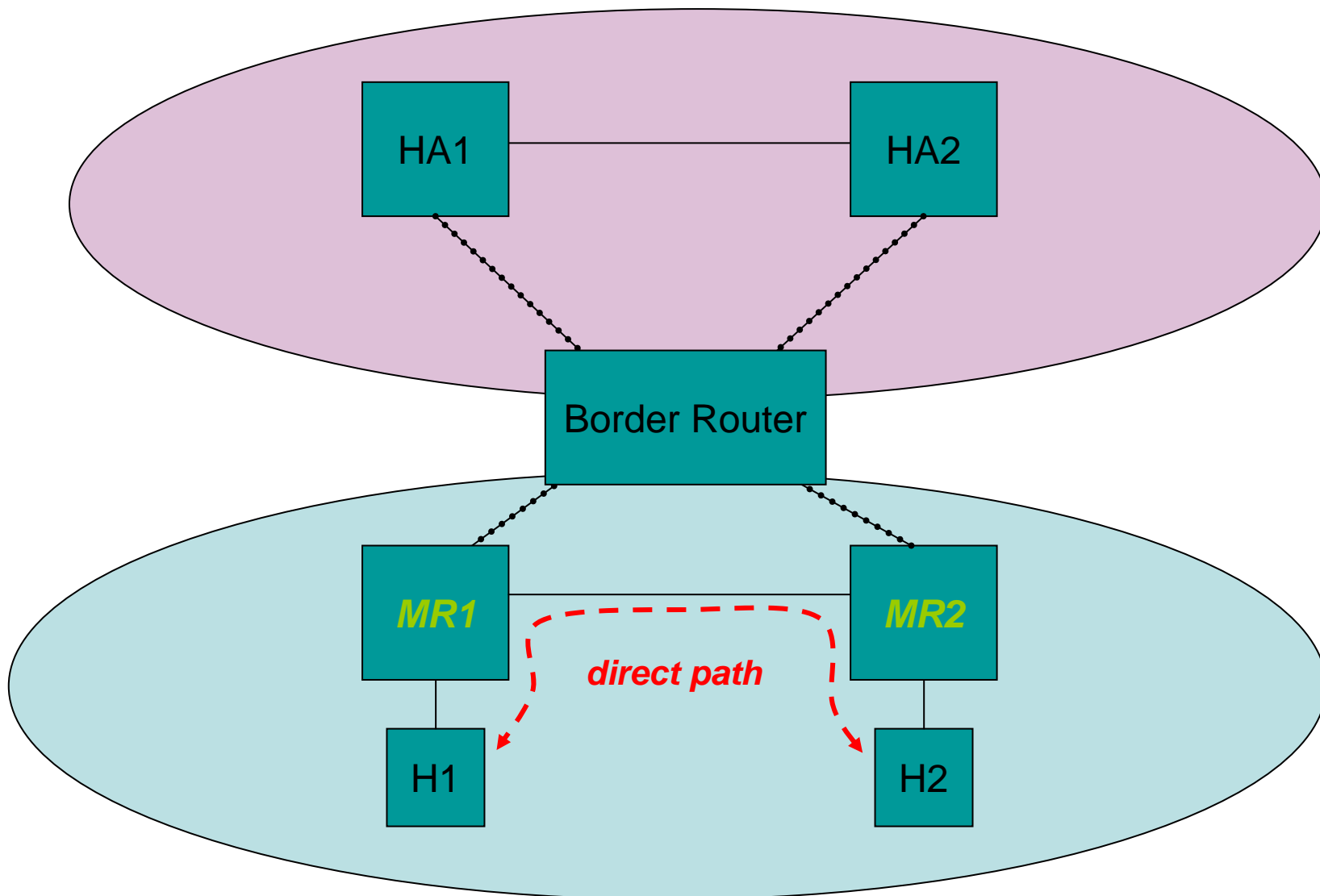
Multiple use cases, similar requirements



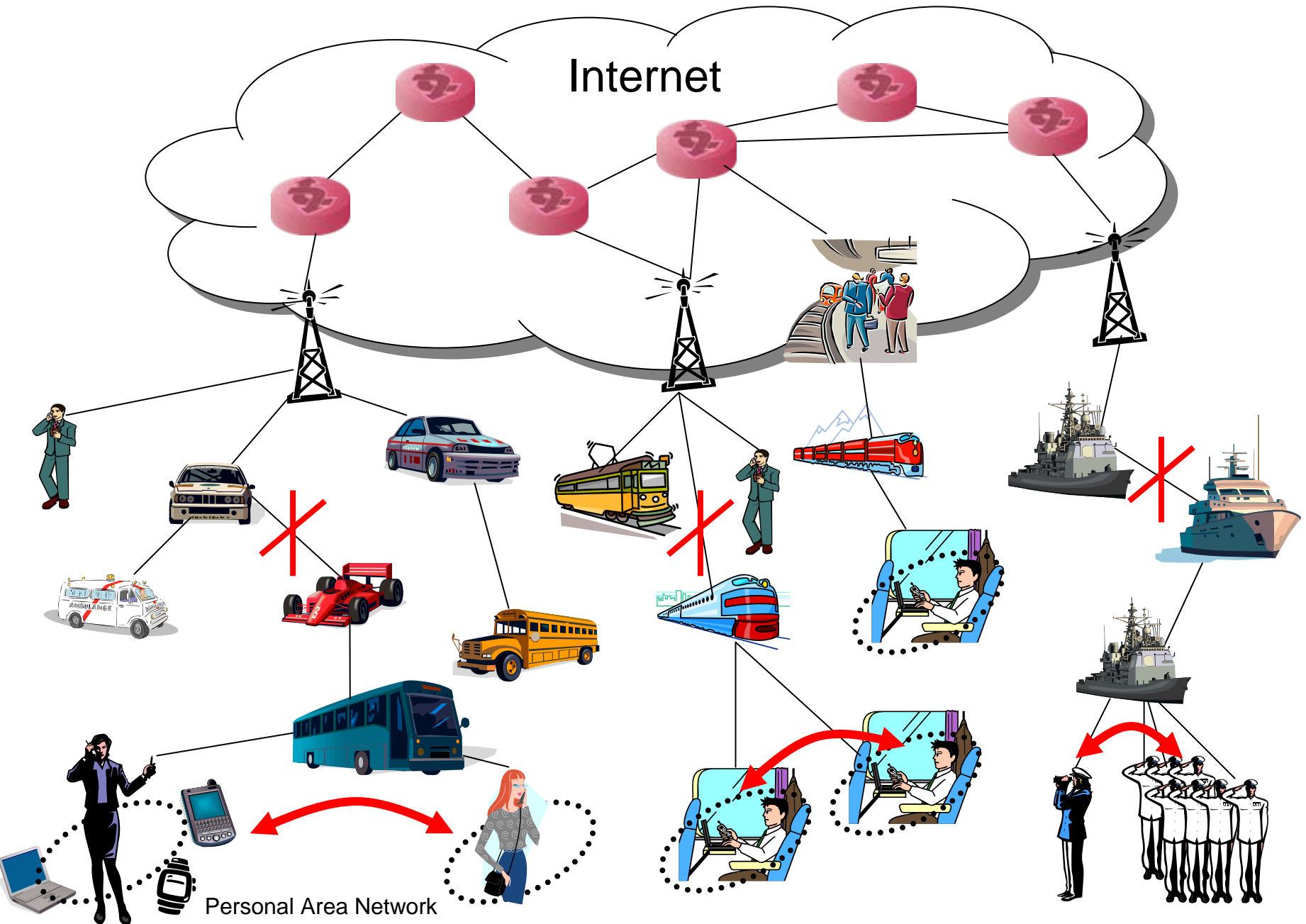
Communication between nearby nodes



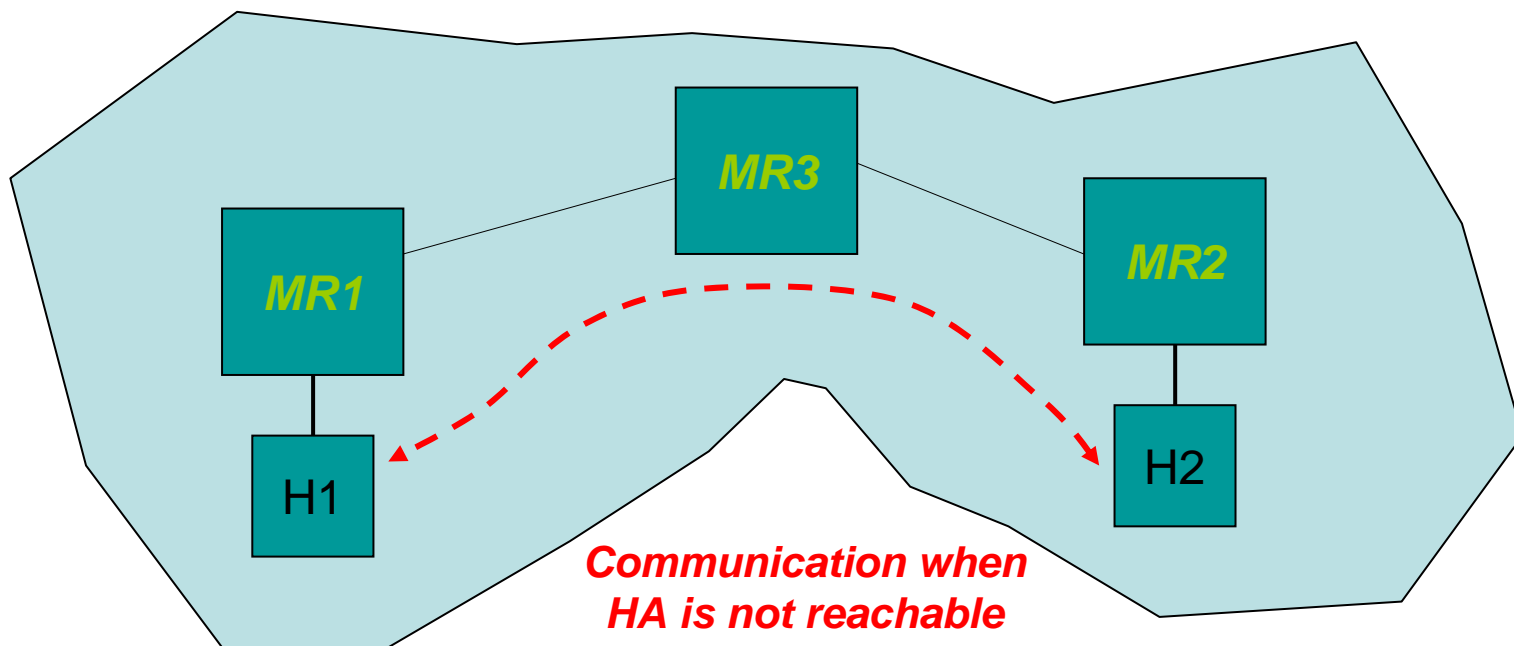
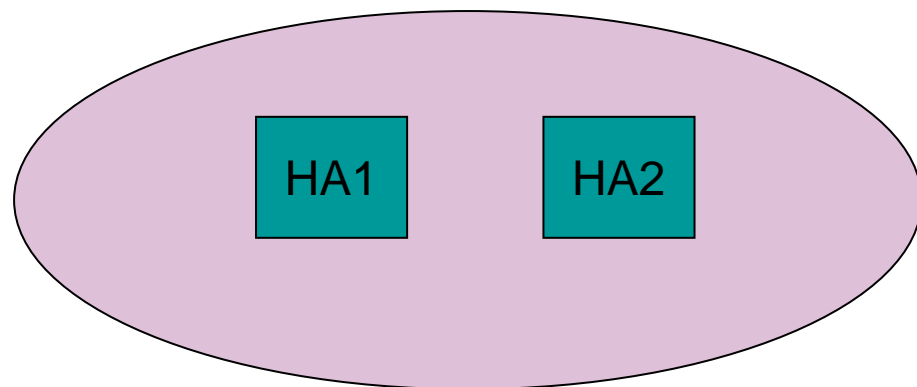
LFN to LFN communication

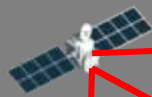


Path to Home Agent may be broken



LFN to LFN communication





Satcom: low and expensive bandwidth

When multiple CoAs are available, multiple tunnels can be set up and tunnel selection shall take place.

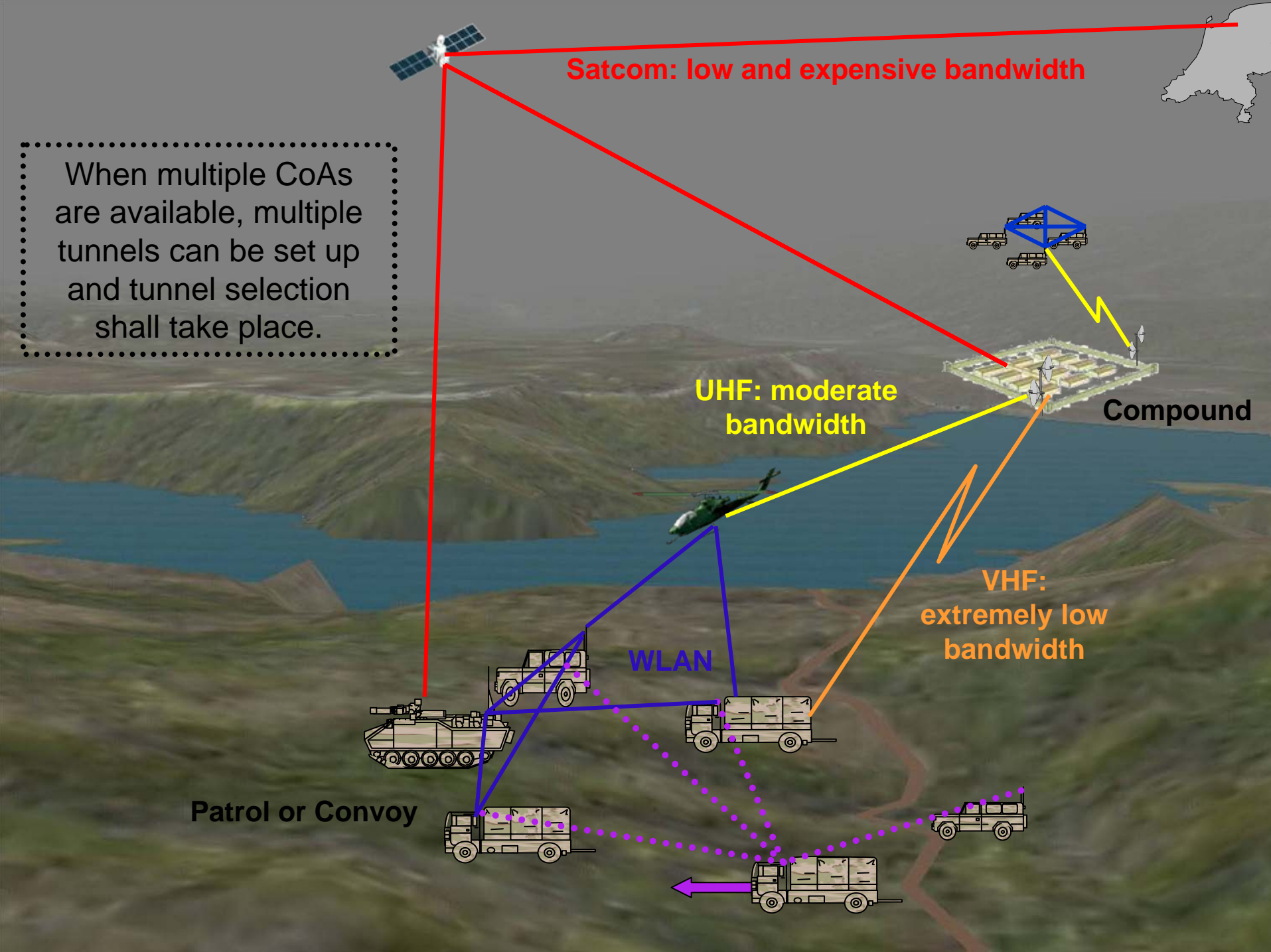
UHF: moderate bandwidth

Compound

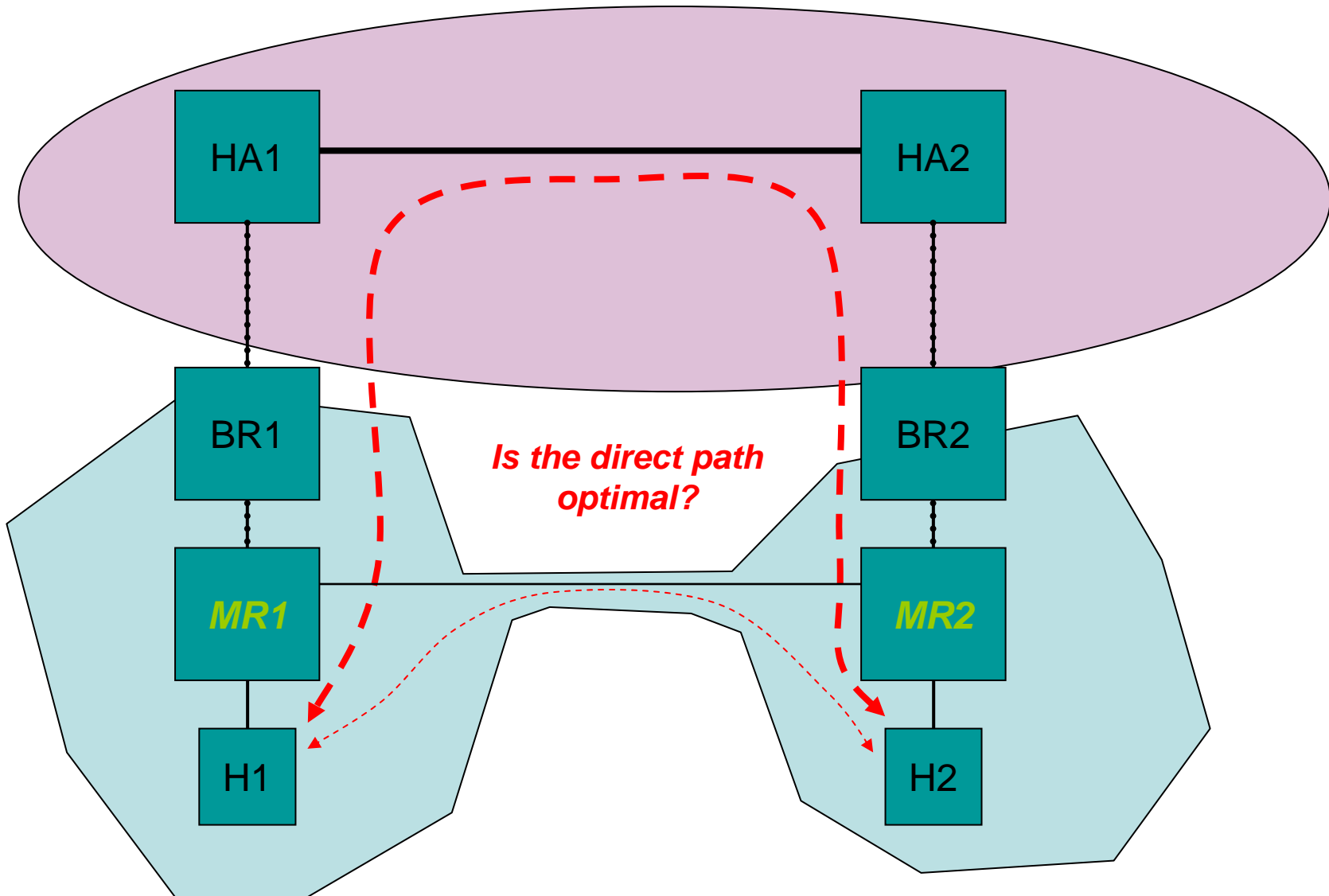
VHF: extremely low bandwidth

WLAN

Patrol or Convoy



LFN to LFN communication



When using MANEMO?

- When **micro and macro mobility** is needed
- When there is **a mobile and a fixed infrastructure**
- When various **heterogeneous layer 2** technologies are available