**IP Mobility support for IPv4, revised**

**Abstract**

* Transparent routing of IP datagrams to mobile nodes
* Mobile nodes(MN) 🡪 identified by home address
  + Away from home 🡪 care of address (COA)
* Home Agent (HA)
  + Sends datagrams destined for MN through tunnel to the COA.

1. **Introduction**

A node ‘s IP address 🡪 uniquely identifies its attachment to the internet.

Mobile IP = way to provide node mobility while keeping the node’s IP address

* 1. **Protocol requirements**
* MN must be able to keep communicating while changing its link-layer attachment point to the internet 🡪 no change of MN’s IP address
* No protocol enhancements are needed
* All messages relating updates of the location of a MN must be authenticated (not required for this project)
  1. **Goals**
  2. **Assumptions**
  3. **Applicability**
  4. **New architectural entities**
  5. **Terminology**
  6. **Protocol overview**