NETLMM Design Team Update

65th IETF
Dallas, Texas USA
Mar. 21, 2006

Members

- Design team formed on Jan. 27, 2006
  - Gerardo Giaretta (editor)
  - Henrik Levkowetz
  - Hidetoshi Yokota
  - Katsutoshi Nishida
  - Kent Leung (lead)
  - Marco Liebsch
 - Mohan Parthasarathy
  - Phil Roberts

Goal

- Meet the requirements specified in draft-ietf-netlmm-nohost-req-00.txt
  - Map how each requirement is addressed
- Identify components/functionalities of base NETLMM protocol
  - Keep it simple and extensible
- Base NETLMM solution draft originates by either:
  - Selecting an existing I-D that provides most of the necessary capabilities
  - Or creating from scratch a new draft

Timeline

- Try to reach consensus on the protocol components/functionalities by May
- Choose contributed I-D or create a new draft as base document; write up in June
- Submit base NETLMM solution draft before IETF 66th meeting

NETLMM Domain
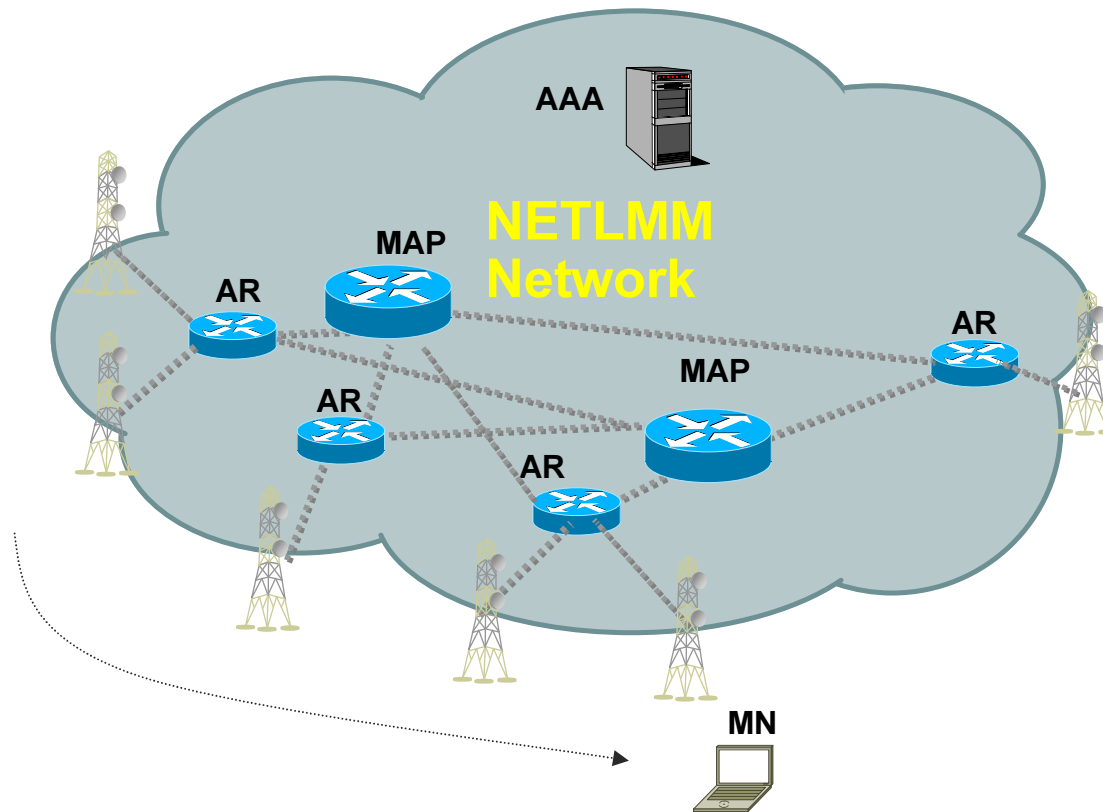
Components

- MN identifier

- Dynamic MAP allocation

- Message types for location update between AR and MAP

- Message transport (control plane)

- Security between AR and MAP

- Address assignment for MN

Components

- Support for any IP version host
- Data plane transport (tunnel, MPLS, etc.)
- AR-MAP reachability detection
- AR handover (including release of old binding)
- MN detachment from network (cause by MN or by network)

Out of Scope

- MN-AR interface
- Inter-MAP handover
- Fast handover
- Hierarchical MAP

Status

- Deliberation on the topics continuing
- Need to write up summaries of topic conclusions
- MN-AR Interface sync up needed
- Make some progress in face-to-face meetings
- Protocol has not been decided yet