NETLMM Design Team Update

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Members

- Design team formed on Jan. 27, 2006
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  - Hidetoshi Yokota
  - Katsutoshi Nishida
  - Kent Leung (lead)
  - Marco Liebsch
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Goal

- Meet the requirements specified in draft-ietf-netlmm-nohost-req-00.txt
  - Map how each requirement is addressed
- Identify components/functionalties 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

NETLMM Network

AAA

AR

MAP

AR

AR

AR

MAP

MN

Network components and connections are depicted in the diagram.
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