

# Auto Discovery VPN Use Cases and Requirements

# Progress Since IETF 83

5/25/2012      draft-ietf-ipsecme-p2p-vpn-problem-01.txt

New co-editor: Vishwas Manral

Resolved open issues with use cases

Agreed on new name: Auto-Discovery VPN

7/10/2012      draft-ietf-ipsecme-p2p-vpn-problem-02.txt

Added first draft requirements

Focus now on requirements

# **DISCUSS REQUIREMENTS**

# Minimal Config Changes #1

- **MUST** allow for minimal configuration changes when a Gateway or Endpoint is added, removed, or changed

## Minimal Config Changes #2

- **MUST** allow IPsec tunnel setup with no config changes, even as peer addresses change

# Tunnel Binding

- **MUST** allow tunnel binding
  - so higher-level protocols and applications (e.g. OSPF) can avoid changes in configuration when IPSec tunnel configuration or gateway address changes

# Spoke-to-Spoke Comms

- **MUST** allow for direct Spoke-to-Spoke comms

# Session Handoff #1

- SHOULD allow for easy session handoff when endpoints roam



## Session Handoff #2

- SHOULD allow for easy session handoff to optimize latency, bandwidth, etc.

# Working Behind NATs

- Gateways and Endpoints **MUST** work when behind NATs

# Other Requirements?

# Next Steps

- August    Discuss requirements on list.  
          Publish updated draft. Do WGLC.
- Sept      Solicit solutions.
- Mid-Oct   Proposed solutions due. Discuss on list.
- Nov       Discuss solutions in Atlanta. Decide on list.  
          Start refining solution.