simple VPN solution using Multi-point SA

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Motivation

• VPN solution is needed for a VPN service, that requires
  – Peer-to-Peer communication
  – Full Mesh topology
  – Peer address resolution
  – Scalability
  – Minimum configuration at CPE
    (They are required by ad-vpn)
• This draft presents a vendor solution
• Multi-point SA is introduced for meshed tunnel network. CPE communicates others with single mpSA
• Key distribution method is implemented to IKEv2
• RFC5565 is used for routing on meshed tunnel network. CPEs advertise
  – Route information for route-based VPN
  – Tunnel destination for peer address discovery
Next steps

• Need comments and feedbacks
• Update text (some network operators will be joined)