# Re-direct Mechanism for IKEv2

IPSECME, Virtual Interim Meeting

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# Changes after the 2nd WG last call

- Added more text on interactions with Mobile IPv6
  - The redirect message may also update the home agent information
  - Clarified what the Mobile IPv6 mobile node needs to do in response to the REDIRECT payload in the IKE_SA_INIT response, IKE_AUTH response and in an INFORMATIONAL message
  - Also added some text in the security considerations section on this
- Clarified the use of DNS names to represent a group of authorized VPN gateways in a PAD entry as described in RFC 4301
- Created a new IANA registry for the GW Identity Type in the redirect messages
- A few fixes
  - Replaced IP_R by New_GW_ID since the redirect messages could carry also carry the FQDN of the new VPN GW
  - Added Ni_data to the REDIRECT payload in IKE_SA_INIT response
  - Editorial

# Open Issue – Redirect and Multiple Authentications

- When multiple authentication exchange [RFC 4739] is used, the redirect can happen at a number of places
  1. In the IKE_SA_INIT response
  2. In the first IKE_AUTH response, based on IDi or IDr
  3. In the last IKE_AUTH response after the first authentication completes (message 10)
     - The second authentication does not happen
  4. In the really last IKE_AUTH response (message 18) after both authentications complete
- This is complicated
  - Proposal is to eliminate 3) above. Comments?