

# IETF 802.16 Liasion Report, November 2006

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Report on the IETF Liaison activity

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IETF Liaison Report  
November 2006  
David Johnston

- The IETF met in San Diego, November 6-10, 2006. (I.E. Last week)
- Primary 802.16 relevant groups identified:
  - 16ng – IP over 802.16
  - emu – EAP Method Update
  - hokey – Handover Keying

# EMU

## EAP Method Update

- EAP-TLS Certs
  - 802.11 has an entry in RFC4334, but 802.16 does not.  
802.16 May want to request an entry.
- NIST published SP 800-56A. Asymmetric Key Agreement FIPS requirements
  - NIST Working on KDF & Key Hierarchy spec
  - Need to coordinate with NIST on supporting the 802.16 Key Hierarchy within FIPS.
  - Tim Polk of NIST encouraged this and provided contact details

# 16ng IP Over 802.16

- Discussed Several Drafts:
  - <http://www.ietf.org/internet-drafts/draft-ietf-16ng-ipv6-link-model-ar>
  - <http://www.ietf.org/internet-drafts/draft-ietf-16ng-ps-goals-00.txt>
  - <http://www.ietf.org/internet-drafts/draft-ietf-16ng-ipv6-over-ipv6cs-01.txt>
- Adopted IP over Ethernet CS as WG doc
  - <http://www.watersprings.org/pub/id/draft-riegel-16ng-ip-over-eth-ove>

# hokey

## Handover Keying

- Hokey is a new WG addressing keying in the context of a handover scenario with performance concerns around handover time and security. This was its first session.
  - <http://www.ietf.org/html.charters/hokey-charter.html>
- Presentations were given on problem statements, key hierarchies, pre-authentication and visited domain re-authentication.
- <http://tools.ietf.org/wg/hokey/draft-cao-hoakey-hierarchical-hokey-00.txt>
- <http://tools.ietf.org/wg/hokey/draft-nakhjiri-aaa-hokey-ps-03.txt>
- <http://tools.ietf.org/wg/hokey/draft-nakhjiri-hokey-hierarchy-02.txt>
- May overlap with 802.16e, 802.11i and other key hierarchies