

HOKEY WG Meeting

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HOKEY WG, IETF 67

Agenda

- Blue Sheets, Agenda Bashing, Minutes - Chairs (2 min)
- WG Introduction - Russ Housley (3 min)
- Requirements and Problem Statement
 - Introduction - Chairs (5 min)
 - draft-vidya-eap-reauth-ps - Lakshminath Dondeti (10 min)
 - draft-nakhjiri-aaa-hokey-ps - Madjid Nakhjiri (10 min)
 - draft-ohba-preauth-ps - Yoshihiro Ohba (10 min)
 - Discussion (20 min)
- Keying Hierarchy
 - Introduction - Chairs (5 min)
 - draft-vidya-eap-er & draft-dondeti-eap-vkh - Vidya Narayanan (15 min)
 - draft-salowey-eap-emsk-deriv - Joe Salowey (10 min)
 - draft-nakhjiri-hokey-hierarchy - Madjid Nakhjiri (10 min)
 - Discussion (20 min)

HOKEY Description

- Extend EAP keying to facilitate handoff and roaming
- Expected solutions:
 - Reauth: Reauthentication to same authenticator
 - Handoff: Reauthentication to different authenticator in same domain
 - Roaming: Reauthentication to different authenticator in different domain
 - Preauth: Preauthentication using old, unexpired EAP keying material
- Requirements
 - Latency sensitive
 - Meet draft-housley-aaa-key-mgmt & draft-ietf-eap-keying
 - Access technology independent
 - Accommodate inter-technology handoff and roaming
 - No changes to EAP methods

Milestones

Deliverables	-00	To IESG
Problem Statement	Jan 07	Jul 07
EMSK Hierarchy	Jan 07	Apr 07
HRK Hierarchy	Feb 07	Aug 07
Reauth Protocol	Mar 07	Aug 07
Handoff Protocol	Mar 07	Sep 07
Roaming Protocol	Jun 07	Sep 07
Preauth Protocol	Sep 07	Mar 08

Problem Statement

- Problem statement
 - EAP re-authentication
 - Key management
- Milestones
 - January 2007: first draft
 - July 2007: submit to IESG
- Several documents, all covering somewhat different areas
- Need to merge into single document, need editor(s)

Keying Hierarchy

- Two hierarchies
 - EMSK keying hierarchy
 - Re-authentication and handoff keying hierarchy
- Milestones
 - January 2007: EMSK v00
 - February 2007: reauth/handoff v00
 - April 2007: EMSK I-D to IESG
 - August 2007: reauth/handoff to IESG
- Again, multiple documents
- Need editor(s)