Update on BRSKI-AE: Alternative Enrollment Protocols in BRSKI

draft-ietf-anima-brski-ae-05

Repo URL: https://github.com/anima-wg/anima-brski-ae

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Shepherd: Toerless Eckert

IETF 117 – ANIMA Working Group
BRSKI-AE status: changes since IETF 116

WGLC ended on April 3rd
just one comment received, by Brian Carpenter:
- Please replace URL for reference [BRSKI-AE-overview]

Shepherd review by Toerless Eckert; two suggestions:
- I would suggest to move RFC7030 to normative references
- Please introduce abbreviation LwCMP (for Lightweight CMP)

Changelog from draft-ae-04 to draft-ae-05: editorial changes only
- Change URL of BRSKI-AE-overview graphics: refer to slide on IETF 116 meeting material
- Add the abbreviation 'LCMPP' for Lightweight CMP Profile to the terminology section
- State more clearly in Section 5.1 (on BRSKI-CMP) that [LCMPP] is mandatory when using CMP
- Remove entries from the terminology section that should be clear from BRSKI
- Tweak use of the terms “IDevID” and “LDevID” and replace “PKI RA”/”PKI CA” by “RA”/”CA”
BRISK-AE status: waiting for WGLC results

- Done already for IETF 115:
  - IETF PoC implementation ✓
  - WG review done by Michael Richardson ✓
  - Document shepherd review done by Toerless Eckert ✓
- Done already for IETF 116:
  - SECDIR early review ✓
- WGLC and document shepherd writeup ✓
- Basically ready for AD review, however:
  - to be added: discovery of registrar with BRISK-AE feature set
  - waiting for outcome of today’s discussion on discovery for BRISK
BRSKI-AE: abstract protocol overview

**Pledge (caller)**
- IDevID
- Manufacturer trust anchor

**Domain Registrar, RA / LRA / enrollment proxy**
- LDevID (Reg)
- IDevID Cert CA
- S/N Pledge

**PKI RA**
- PKI RA credentials

**PKI CA**
- PKI CA credentials

**MASA**
- MASA credentials

**Initial steps:**
Voucher request/response handling as in BRSKI

**Adapted step:**
Using alternative enrollment protocol (e.g., Lightweight CMP)

**Verification of LDevID cert**

**Device audit log**

**BRSKI-AE status**
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