

Update on BRSKI with Pledge in Responder Mode (BRSKI-PRM)

[draft-ietf-anima-brski-prm-09](#)

Repo URL: <https://github.com/anima-wg/anima-brski-prm>

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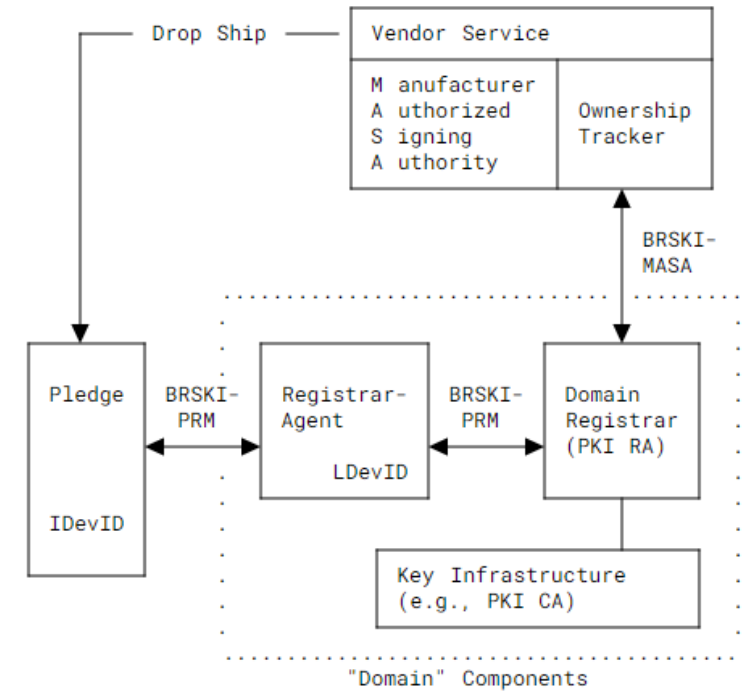
Shepherd: Matthias Kovatsch

IETF 117 – ANIMA Working Group

BRSKI-PRM Status

History of main changes 08/09

- Addressed almost all issues from WGLC in March 2023. Most resulted in structural improvements, clarifications in the text and the figures and additional examples.
- Technical comments related to the following
 - Support of optional TLS protection of the communication link between registrar-agent and pledge ([Section 4](#), [Section 6.1](#), [Annex B](#)). This addresses several privacy related issues and also added in the Privacy and Security Considerations.
 - Included option that a separate HTTP connection may also be used to provide the PER ([Section 6.2.6](#)) to allow also for repeated/delayed enrollment attempts.
 - Shortened the utilized endpoint names to take constraint devices into account (example: /tpvr: Trigger pledge voucher-request creation).



BRSKI-PRM

Open Issues

- Discovery of registrar with an enhanced feature set
 - #79 discovery of registrar with BRSKI-PRM feature set
 - #80 pledge discovery using GRASP
 - Discovery is discussed as common issue, which applies to BRSKI-PRM and BRSKI-AE
 - Current approach uses DNS-SD TXT parameters and intends to define 3 key-value pairs, which can also be mapped to GRASP (topic of separate slot):
 - mode of operation (Registrar/Pledge as responder)
 - engaged enrollment protocol (EST, CMP, ...)
 - voucher format (CMS-signed JSON, JOSE-signed JSON, ...)
- Further clarification in the specification to avoid ambiguities
- Restructure section 5 and 6 for clarity based on Shepherd review

BRSKI-PRM Status

Next Steps

- Clarify remaining open issues (see [ANIMA git](#)) in design team meetings
- Interop testing with others welcome ☐,
PoC implementations of all components available, please get in touch
- Shepherd writeup
- Finalization of document

Backup: BRSKI-PRM – Abstract Protocol Overview

