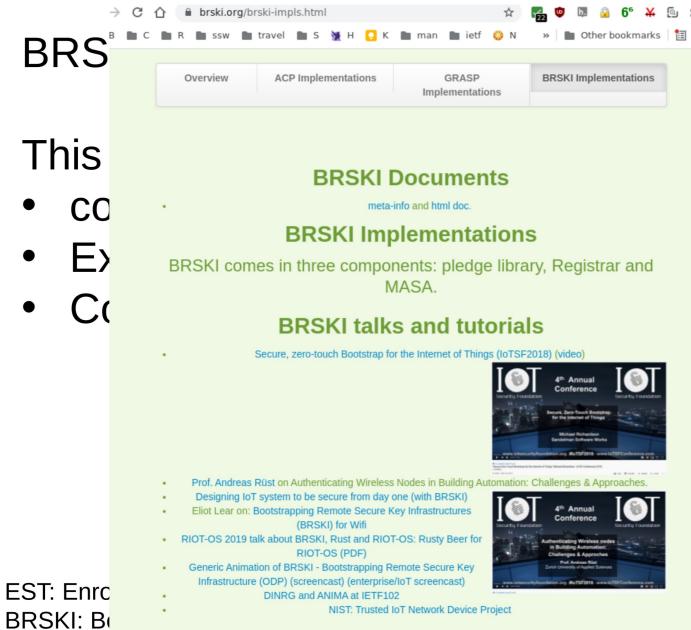
# Constrained voucher

draft-ietf-anima-constrained-voucher-14

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IETF 112
ANIMA Working Group

## Constrained Voucher





SE: CBOR Signing and Encryption (RFC 8152)

1S: Cryptographic message Syntax (RFC 5652)

3OR: Concise Binary Object Representation (RFC 7049)

SID: YAN

# Changes since IETF111

- Changes since version 13
- · Clarify what the Updates are
- Much expanded <u>BRSKI-EST section</u>
- Some errors in SID allocation
- 17 issues open
  - (83 closed)
  - All review comments closed
- Security Considerations completed
- Added section on what to implement in specific Deployments
- Considered what to do if yang-cbor documents do not progress

7.1. Registrar Identity Selection and Encoding . . . . . . . 8.3. Signing voucher and voucher-request artifacts with 10.1. The Registrar Trust Anchor . . . . . . . . . . . . . . . . . . 11. Security Considerations
11.1. Clock Sensitivity
11.2. Protect Voucher PKI in HSM 12.5.1. application/voucher-cose+cbor . . . . . . . . . . . . . . . C.2.1. Pledge IDevID certificate . . . . . . . . . . . . . . . . . . C.5. COSE signed voucher from MASA to Pledge via Registrar . .

6.5.2. CoAP responses
6.6. Extensions to EST-coaps
6.6.1. Pledge Extensions
6.6.2. EST-client Extensions
6.6.3. Registrar Extensions
6.7. DTLS handshake fragmentation Considerations
BRSKI-MASA Protocol
7.1. Protocol and Formats
7.2. Registrar Voucher Request
7.3. MASA and the Server Name Indicator (SNI) 7.3. MASA and the Server Name Indicator (SNI) . . . . . . . 9.1.4. Example voucher request artifact . . . . . . . . . 9.3. Signing voucher and voucher-request artifacts with 10. Deployment specific Discovery Considerations
10.1. 6TSCH Deployments
10.2. Generic networks using GRASP
10.3. Generic networks using mDNS
10.4. Thread networks using Mesh Link Establishment (MLE) 13. Security Considerations .

13.1. Duplicate serial-numbers .

13.2. IDevID security in Pledge .

13.3. Security of CoAP and UDP protocols .

13.4. Registrar Certificate may be self-signed .

14. IANA Considerations . The IETF XML Registry . . . . . . . . 

# Dependent upon CORE WG drafts - still in IESG review

yang-cbor/yang-sid design team formed to deal with review comments has had four meetings

- 18 issues still open (including a bunch of wontfix)
- 34 issues closed
- Design team includes Andy Bierman

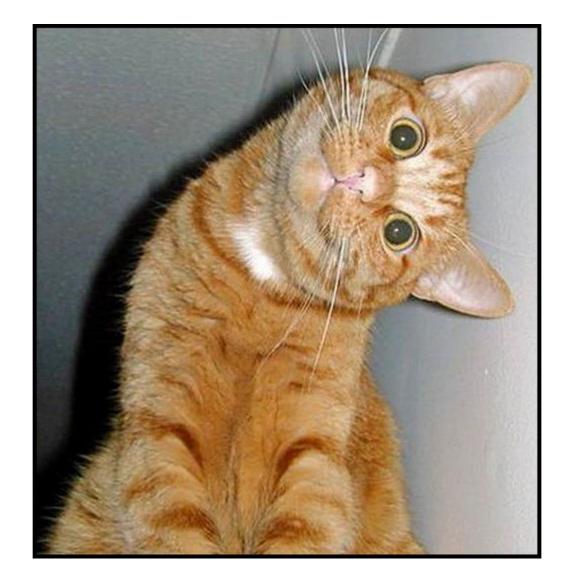
My recommendation to ANIMA constrained-voucher team is that the SID documents will get through IESG review before Xmas break

#### Hackathon Results

- IETF112 Hackathon Nov 1-5. Meet up in gather.town @ 14:00 UTC, at table A(NIMA).
- Not really any participants. I think people (me included!) are exhausted.
  - BUT: L2 VPN now working, and we will test asynchronously.
- NIST NCCoE IoT-onboarding
  - https://www.federalregister.gov/documents/2021/10/26/2021-23293/nationalcybersecurity-center-of-excellence-nccoe-trusted-internet-of-things-iot-device



# Discussion



Thanks to weekly discussions in BRSKI design team on Thursday

Next meeting Nov. 25

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### Conclusions

Three directorate reviews occurred and were reacted to. Security Considerations is done. Applicability Statement is done.

#### Ready for WGLC!

- no major issues
- Only minor issues remain, many of which are wishes