

# Securing RPSL Objects with RPKI Signatures draft-ietf-sidr-rpsl-sig-03

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# Recap

```
inetnum:      193.0.0.0 - 193.0.7.255
netname:      RIPE-NCC
descr:        RIPE Network Coordination Centre
descr:        Amsterdam, Netherlands
remarks:      Used for RIPE NCC infrastructure.
country:      NL
admin-c:      AMR68-RIPE
admin-c:      BRD-RIPE
tech-c:       OPS4-RIPE
status:       ASSIGNED PI
mnt-by:       RIPE-NCC-MNT
mnt-lower:    RIPE-NCC-MNT
source:       RIPE
changed:      bit-bucket@ripe.net 20060221
```

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signature:    v=1; c=rsync://.../...X.cer; m=sha256WithRSAEncryption;
              t=1234567890; a=inetnum+netname+country+status; b=bZbZbZ1iobnjc3ilfe...
```

# Feedback, editing

- Lots of corrections / clarifications from Steve

# Changes in -03

- New co-editor: Brian Haberman
- Significant re-shuffling of sections
  - Content is much more logically laid out
  - Structure is easier to follow
- Many wording changes, corrected grammar

# Changes in -03

- Introduction now provides better rationale for signing RPSL objects
- Terminology: normalization -> canonicalization
- Signed attributes are of a set of mandatory + optional attributes

# Changes in -03

- Better c14n rules
  - For c14ing ASN, IPv4 and IPv6 resources
  - For dates
  - For RPSL layout
- C14n now achieves resiliency regarding formatting changes

# Changes in -03

- Other changes
  - Signature creation / verification is more algorithm-independent
  - Removed decision points (question marks)
  - Clarification on validity time in case of multiple signatures
- Defined which resources (mentioned in the object) should be covered by the RFC3779 extension of the certificate



Questions?