draft-ietf-csi-send-cert-01

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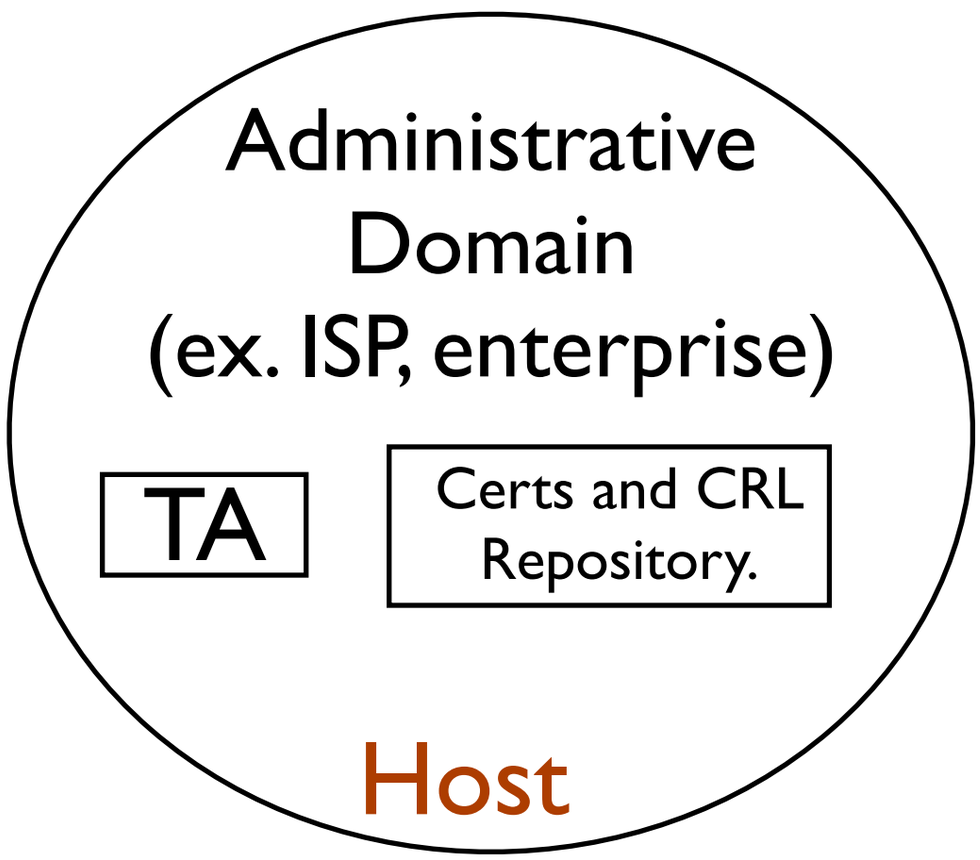
Introduction:

- This document describes:
  - The X.509 cert. profile to be used in SEND that was missing in RFC 3971.
    - Extended Key Usage values.
    - Certification Revocation Solicitation (CRS) and Advertisement (CRA) messages.
- version-00 was the individual I-D.

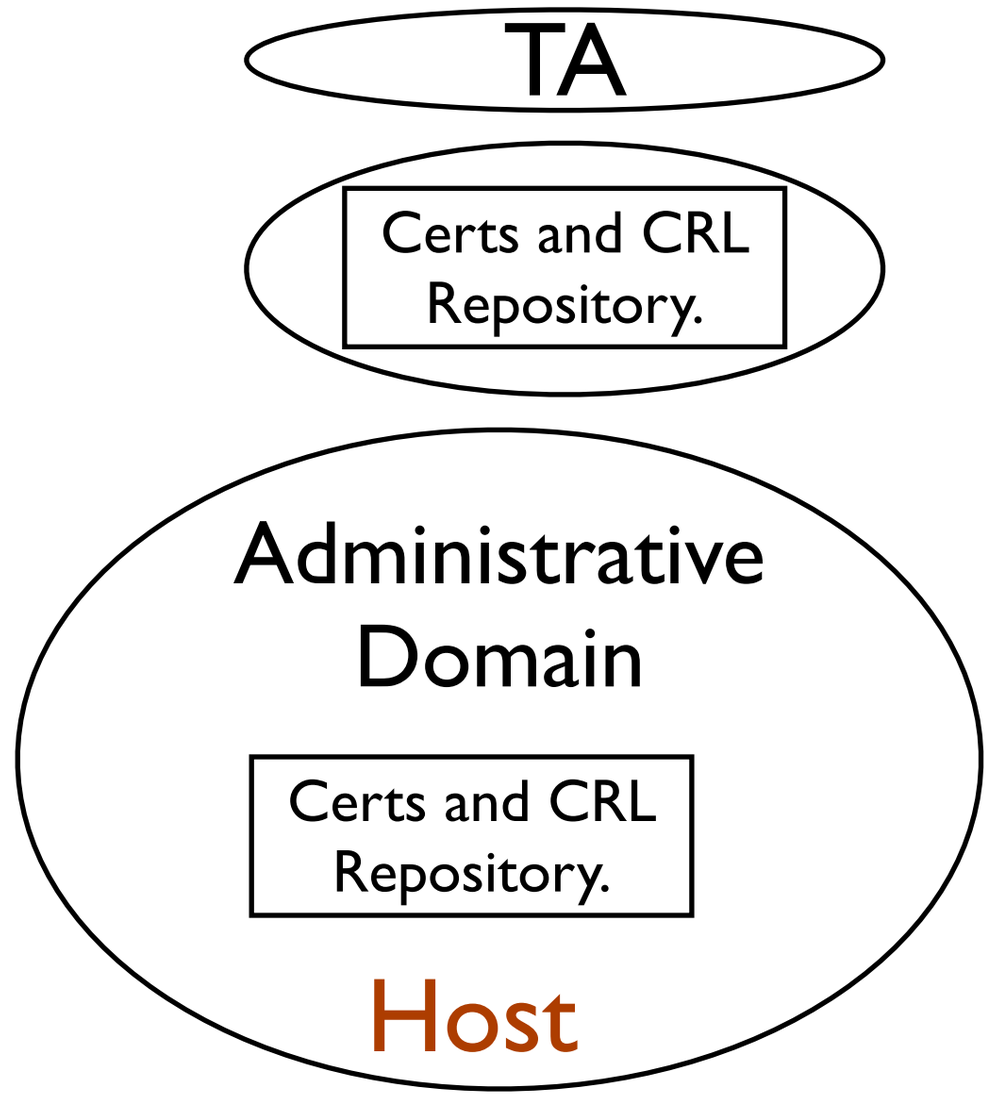
Certificate Profile.

- We will be using the SIDR WG Cert Profile.
- Deployment models: RFC 3971 defined two deployment model: centralized and de-centralized. We introduced two new deployment models: local and public.

Deployment models:



Local

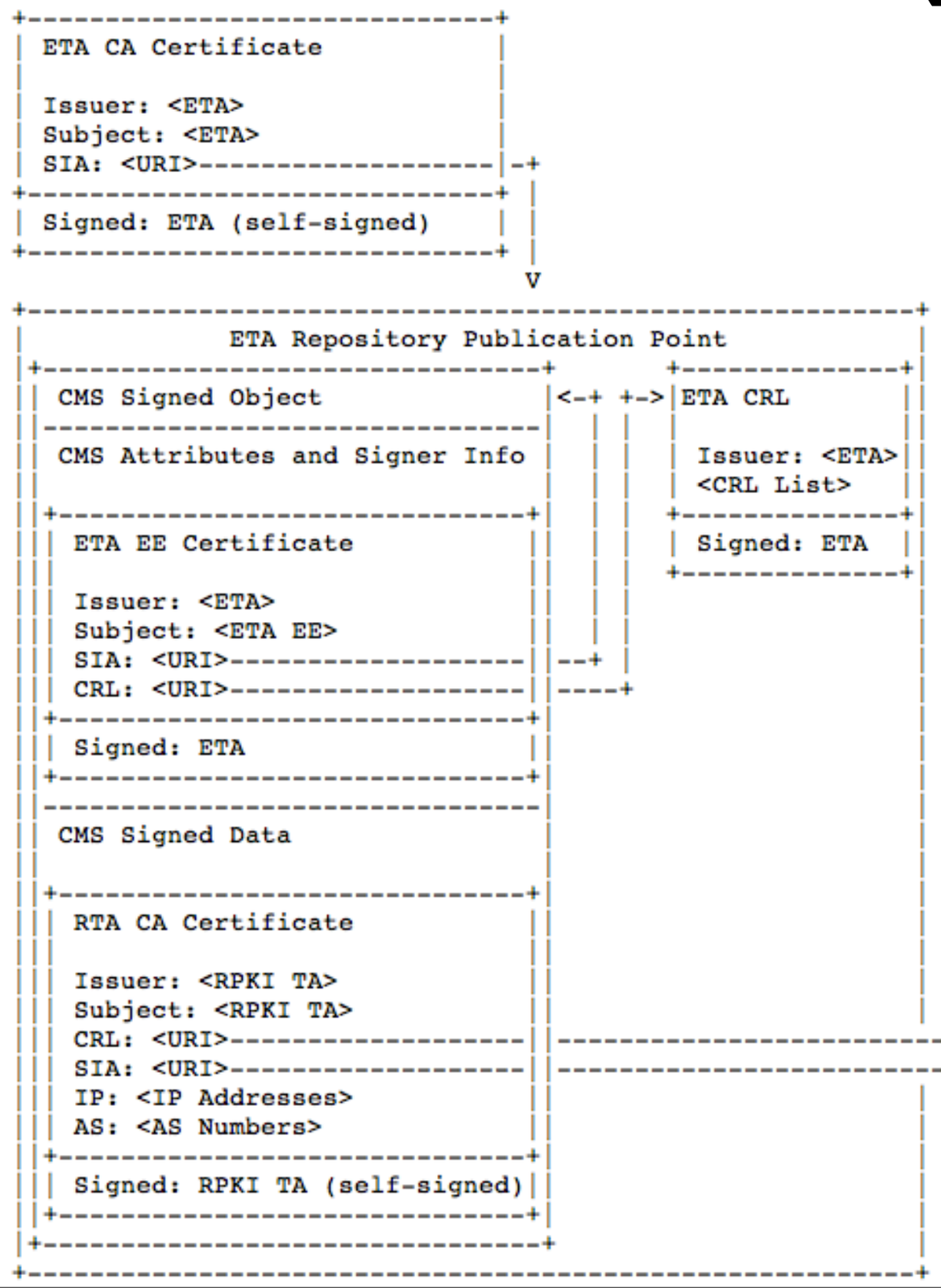


Public

Trust Anchors (I):

- We added section 5.1 to discuss Trust Anchor material selection.
- Old text mentioned SIDR "default trust anchor", but that has changed.
- We could have either an RFC3779 cert as TA or a non RFC3779 cert using [draft-ietf-sidr-ta-02].
- In a local deployment ::/0 TA is an option.

Trust Anchors (II):



Extended Key Usage Values

- No changes since version 00.

CRL profile and revocation

- By using SIDR Cert. Profile, there is no support for OCSP.
- Hosts needs to get not only the CERTs but also the CRLs to validate a certificate path.
- In-band exchange of CRL between the host and the router will be performed using two new SEND messages:
  - Certificate Revocation Solicitation (CRS).
  - Certificate Revocation Advertisement (CRA).
- We still need to define these messages in -02.

- Questions?