## Resource Certificate Profile

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APNIC

IETF 70

# Was it only a year ago?

SIDR WG Meeting – November 2006

#### Next Steps

- Generate an -03 version post IETF 67
- Request WG chair for Last Call on this document

# Changes for -09

#### Added:

 Manifests to the SIA field in the profile of the certificate and the profile of the certificate request

#### Retained:

- RSYNC as a MUST in the access methods for retrieval of RPKI objects
  - This has been the topic of discussion through various stages of review of this profile

#### Dropped:

Subject Alternate Name

## Next Steps - Again

- Generate an -10 version post IETF 70
  - Complete manifest description in SIA

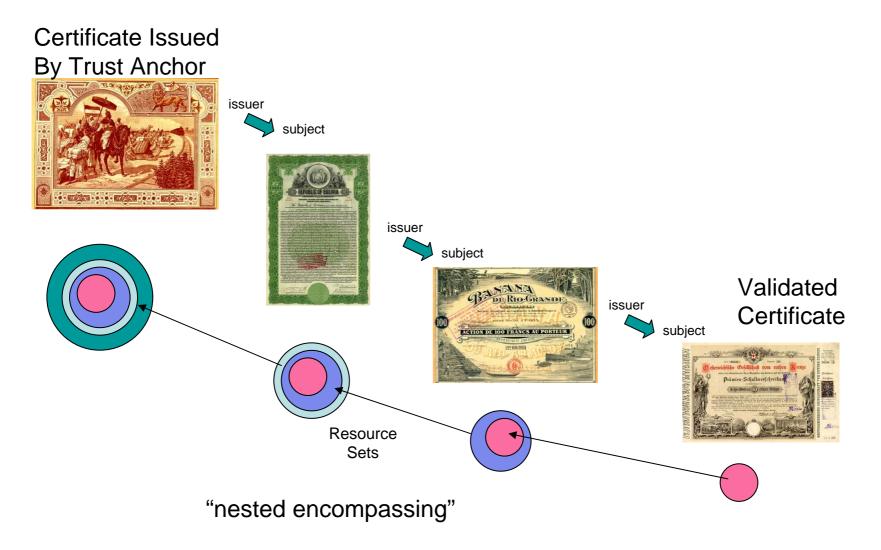
 Request WG chair for Last Call on this document – again

## Some Musing about Validation

 Section 7.3 of the draft requires that the immediate superior certificate in the validation certificate path has a resource extension that encompasses the subordinate certificate.

This is a "nested encompassing" constraint that is placed upon the resource extensions of all certificates in the validation certificate path

## ResCert Validation

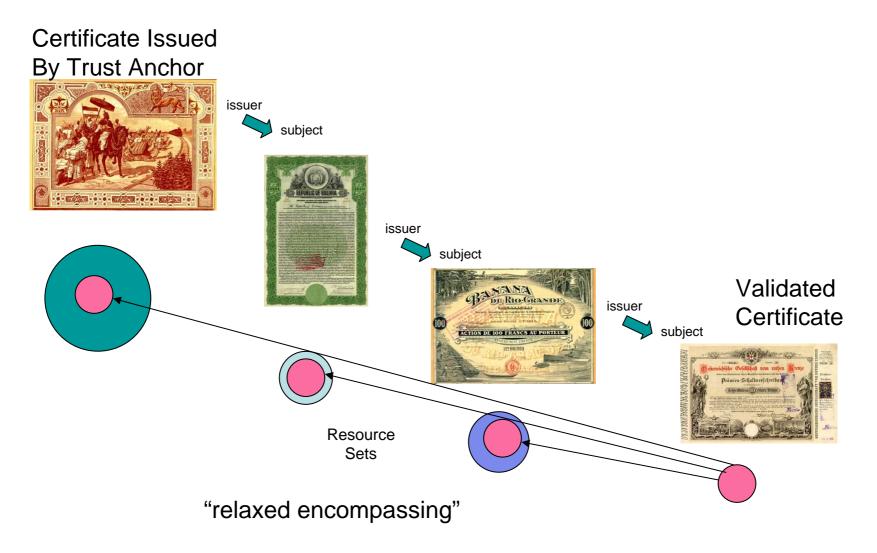


## An Alternate Approach

Warning: All this could well be a **Very Bad Idea** 

- Is "nested encompassing" absolutely required in validation?
- Would it be useful to relax this?

## Alternate ResCert Validation

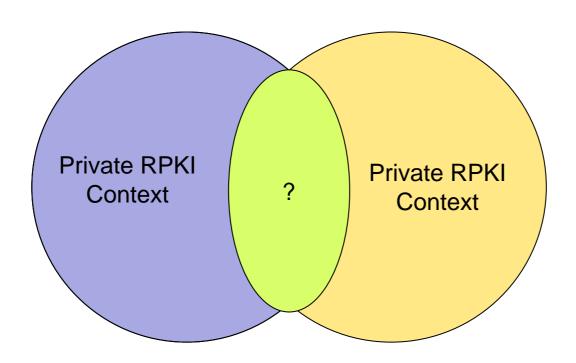


### Alternate Rescert Validation

 The resources of the certificate being validated are encompassed by the resource extensions in the validation certificate path, but the certificates in this path do not necessarily have to encompass each other

#### Alternate Rescert Validation

 Potential use in intersecting private use space contexts



## Alternate Rescert Validation

This really could be a Very Bad Idea!

But if you have some opinions on this, it would be interesting to hear them!