Thoughts on Certification

History

"No e-voting. No informal poll of what services are needed. RIPE NCC just keeps rolling along."

- Want to be transparent
- Explicit decisions needed

- http://www.ripe.net/info/ncc/roles-responsibilities.html

Certification of Numbering Resources

- APNIC heading effort, presentation RIPE 51

- During 2006, ongoing effort to implement prototype tools

  - RIPE NCC contribution ~ 1 FTE

- See Geoff's presentation on project progress and further plans... (Wednesday Plenary, 1100)

Next Step

- Ensure Context Match across RIRs

- …

- But wait!

- What are we doing?

Next Step:
Let's take a Step Back!

- Why are we doing this?

- Assumptions

  - Resource Certification is preparing the way for Secure Routing

  - Resource Certification is good for RIPE DB "Data Quality"

- Are these valid?

- (Un)Intentional Consequences?

Paving the way for Routing Security

- Really?

- … or DNSsec Redux?
  - Resources spent
  - Activity successfully concluded
  - Deployment AWOL

- Will YOU deploy secure routing?
  - What will convince you?
  - What will hold you back?

- Are we running too fast?

Certification Good for Data Quality

- Why?
  - Will we be checking every allocation?
  - Will we be asserting holder identity?
  - Or will we rather certify what is already in our files?
- Certification is itself is not a Fine Tooth Comb
- "Combing Results" can be documented by a variety of means
- Certificates are just one possibility
- Cost/Benefit ratio attractive enough for this purpose?

Unintended Consequences

- If numbers were certified..

- Are we about to enable a marketplace?
  - "Numbers do not have monetary value!"
  - … or do they?

- Would that be Good? Or Bad?
  - Approaching the end of lifetime of IPv4
  - Would the role of RIRs change?
  - How?

Strawman Proposal

- Continue prototype development
- Trial deployment in RIPE region in 2007
- Planning for two additional FTE for integration in business processes and systems
- Install Evaluation Task Force
  - Scope:
    - Follow developments
    - Participate in Trial
    - Advise on impact
    - Formulate report as input for RIPE 55

Task Force Report

- Does this approach meet the objectives?

- What are the implications of this form of certification of resources?

- Impact assessment
  - Service infrastructure, operational procedures
  - Utility of the authentication model
  - Policy considerations

- Recommendations for production deployment

Decision Time

- Decide @ RIPE 55 about operational use
  - Agree administrative details
  - Discuss policy changes
  - Changes & amendments to Service Contracts

Questions & Answers

- Task Force Volunteers, please?
  - 3 – 5 operators
  - RIR staff
  - Full admin & writing support from RIPE NCC
- Task Force will be presented at RIPE NCC Services WG on Thursday