RPKI Beacons

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RPKI Beacons != BGP Beacons

Existing: BGP Beacons
• Announce and withdraw IP prefix at predefined time intervals

Proposal: RPKI Beacons
• Publish and revoke RPKI objects at predefined time intervals
Why Do We Need RPKI Beacons?

- BGP Beacons help to
  - Monitor BGP
  - Analyze deployment of invalid filtering (in combination with ROA)

- RPKI Beacons might help to monitor consistency of RPKI repositories
Details About RPKI Beacons

• Each CA operates at least one RPKI beacon
• In addition to the beacons, an anchor is published
  – We might use existing objects for RPKI-enabled BGP beacons (e.g., RIPE)
Open Questions

• Which RPKI objects should we use as beacons?
  – ROAs, Certificates?

• Which time interval?

• Interested in this topic?