

# DNSSEC in .BIZ and .US

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# Neustar Registries and DNSSEC

- .US

- » Received permission to proceed in September 2009
- » Signing will occur in Q4 2009

- .BIZ

- » Submitted RSEP Application in October 2009
- » Anticipate approval in late Q4 2009
- » Signing is tentatively planned for Q1 2010

- Other TLDs

- » No DNSSEC plans at this time
- » We are building for future TLDs, anticipating DNSSEC

# Implementation Highlights

- Maintains the dynamic nature of the zones
- Use of NSEC for negative answers
  - » US & BIZ can be downloaded, no need for NSEC3
- Key algorithms and sizes consistent with the other signed TLD zones
  - » Stronger is a disadvantage in speed, faster is a disadvantage in security (referring to key lengths)
- Key Signing Keys (KSKs) rolled over annually
- Zone Signing Keys (ZSKs) rolled over monthly

# Registry Capabilities

- Neustar's Registry is not limited to NSEC nor the cryptographic choices for US and BIZ
- We build to the requirements of each TLD
- NSEC3 and NSEC3/opt-in are available
- Key management tailored to meet requirements

# Timeline

