

# **REQUEST FOR PROPOSAL**

## **ARIN Secondary DNS Services**

### **EXECUTIVE SUMMARY**

The American Registry for Internet Numbers, ARIN, is seeking Secondary DNS providers (Hosts) to bid to host secondary DNS servers for up to one hundred and twenty infrastructure zones. These zones are both very visible within the Internet community and receive higher amounts of query traffic than most normal zones. Additionally, ARIN is looking for sites that are situated globally, utilizing anycast technology as per RFC 4786.

ARIN is operated as a non-profit 501(c)(6) corporation and is chartered for educational, charitable, and scientific purposes. It is a membership organization with an official IRS designation as a “business league”.

### **STATEMENT OF WORK**

ARIN is requesting proposals for secondary DNS services. A detailed explanation of the requirements for providing these services summarized below:

#### **Section 1: Infrastructure**

The host shall provide equipment that is reliable and located in physically secure locations. The equipment shall be in places that have reliable Internet access.

#### **Section 2: Network Requirements**

- The host will provide 5 Mbits of traffic up to a peak of 20 Mbits collectively.
- The host will provide native IPv4 and IPv6 connectivity.
- The host will provide both real time query statistics as well as archives of up to 30 days of query traffic that can be downloadable without notification for the zones for which ARIN is authoritative.
- The host will provide 24x7x365 NOC contact information for problem resolution.

#### **Section 3: DNS Services Requirements**

- The host will provide normal DNS resolution as per all applicable RFC’s
- The host will provide DNS Secondary services that will honor DNS notify using TSIG as per RFC1996 and RFC2845 respectively.
- The host will provide DNS Secondary services that will understand DNSSEC as per RFC 4033, RFC 4034, and RFC 4035. Optionally, the vendor will allow for RFC 5155 support.

#### **Section 4: Service Availability**

##### **4.1 Uptime Guarantee**

The host will guarantee network availability of 99.9% of any given month excluding scheduled maintenance. Scheduled maintenance is defined as downtime for which the host has provided notification to ARIN at least 7 days in advance. ARIN and the host will jointly determine the cause of any unscheduled downtime.

#### **4.2 Notification**

The host will notify ARIN of all outage events via email to designated ARIN contacts.

### **PROPOSAL SCHEDULE**

All proposals must be submitted no later than close of business on 16 October 2009. ARIN will evaluate proposals and will select a winning bidder no later than 30 October 2009. It is expected that all bidders are able to meet the requirements set forth in this document at the time they submit their proposal.

### **TERMS AND CONDITIONS**

All contractual terms and conditions related to the work performed, non-disclosure of information, or liability issues must be detailed. ARIN will require that the vendor performing this service sign a non-disclosure agreement due to the proprietary nature of the information ARIN retains for its subscribers. Please provide references in your response to this request, proposed fees and charges.

#### **SUBMIT PROPOSAL TO:**

[rfp-secdns@arin.net](mailto:rfp-secdns@arin.net)

ARIN  
3635 Concorde Parkway, Suite 200  
Chantilly, VA. 20151  
ATTN: rfp-secdns