

CONTRACTOR'S QUARTERLY PROGRESS, STATUS AND MANAGEMENT REPORT  
1 April - 30 June 2010

DOMAIN NAME SYSTEM SECURITY (DNSSEC)  
DEPLOYMENT COORDINATION

Contract No: FA 8750-10-C-0020

Data Item A001, CLIN 0002

Submitted by:

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August 2010

### **Progress Against Planned Objectives (3.1.1)**

- The Key Signing Key was generated in a ceremony in Culpepper VA, on June 16, 2010 in preparation for the actual signing of the root zone in July.
- Shinkuro is preparing a package on the technical and policy issues of the process required to transfer a signed zone from one registrar to another, without loss of service.
- A key rollover testbed is up and running and is continuing to collect data
- Shinkuro has been working with .org to measure the uptake of DNSSEC across the resolvers.

### **Technical Accomplishments This Period (3.1.2)**

- Shinkuro completed rollover transfer testing which enabled .org to accept DS records. This involved a detailed analysis of the timing and sequencing requirements, preparation of detailed scripts, and coordination and administration of the tests with Afilias, Sparta, Names Beyond, and Dyn.

### **Improvements to Prototypes This Period (3.1.3)**

None this period

### **Deliverables This Period (3.1.5)**

- Analysis and Documentation of Timing Models, CLIN 0002, A003
- Revised Roadmap

### **Publications This Period (3.1.7)**

None this period

### **Meetings and Presentations This Period (3.1.8)**

- DNSSEC Deployment Coordination Meetings were held at Shinkuro's offices on April 22nd, and June 1st.
- Shinkuro largely coordinated the content of a two day meeting in Rome, Italy held June 30<sup>th</sup> and July 1st to work with European TLD and ccTLD policy makers on deployment of DNSSEC. The meeting was attended by Steve Crocker and Olafur Gudmundsson of Shinkuro.
- Shinkuro assisted in the preparation and presentation of a DNSSEC workshop at the ICANN meeting in Brussels, Belgium June 20 – 25.
- Steve Crocker gave a presentation on DNSSEC at Internet2's spring 2010 meeting, April 27<sup>th</sup> in Arlington, VA.

### **Issues or Concerns (3.1.9)**

None at this time.

### **Planned Activities (3.2.1), Information Covering the Next Three Months**

- Coordination meetings are scheduled for July 9, August 3, September 7, at Shinkuro.
- The next IETF meeting will take place in Maastricht, Netherlands, and a DNSSEC workshop is scheduled. Olafur Gudmundsson of Shinkuro will attend.