CONTRACTOR'S QUARTERLY PROGRESS, STATUS AND MANAGEMENT REPORT 1 October - 31 December 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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January 2011

Progress Against Planned Objectives (3.1.1)

- Created a software tool to measure the uptake of DNSSEC across the resolvers
- Met with United States Post Office to discuss the development of .post.
- Creation of a DNSSEC Channel on YouTube to be a central bank of DNSSEC related videos
- Made progress on a key document dealing with algorithm rollover.
- Worked with the coordination team on the development of a software tool to test network deficiencies in Hotels, or other public network locations, and prepared a "Bad Hotel" network to test them.
- Working on testing and developing methods to use DNS to verify email.

Technical Accomplishments This Period (3.1.2)

• Began processing data from registries (.org, etc.) looking for DNSSEC uptake and usage patterns.

Improvements to Prototypes This Period (3.1.3)

None this period

Deliverables This Period (3.1.5)

- DNSSEC Transfer and Key Rollover Technical Report
- DNSSEC Timing Model Technical Report
- Protocol for TLD and Registrar Adoption

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 October 8th, and November 23rd.
- As part of the DNSSEC Coordination meeting held on October 8th, talks were held with the United States Postal Service to discuss their plans for .post and the use of DNSSEC.
- Shinkuro assisted in the preparation and presentation of a DNSSEC workshop at the ICANN meeting in Cartagena, Columbia December 5 10.
- Shinkuro assisted in the preparation and presentation of a DNSSEC workshop at the IETF meeting in Beijing, PRC, November 8 12.

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 January 4th, February 1st, and March 8th at Shinkuro.
- Steve Crocker is speaking at a UNESCO meeting in Paris on Feb 3 4th
- The next IETF meeting will take place in Prague, Czech Republic on March 27th- April 4th, and a DNSSEC workshop is scheduled. Andrew Sullivan and Olafur Gudmundsson of Shinkuro will attend.
- The next ICANN Meeting will take place March 13 18 in San Francisco, California and a DNSSEC workshop is scheduled. Steve Crocker, Olafur Gudmundsson, and Andrew Sullivan of Shinkuro will attend