FCC CSRIC III

Working Group 5

DNSSEC Implementation Practices

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Forging of DNS Answers and False Route Announcements allow fraudulent transactions to occur:

Phishing
Pharming
DNS Cache Poisoning
Traffic Hijacking

Taken from WG 4

The Problem

DNSSEC - Authentication of DNS answers WG5

BGPSEC - Authentication of routing announcements WG6

Both critical to solving significant issues that exist in the wild

Challenge:

Taken from WG 4

Until they are fully implemented, the problem exists

The Solution

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Foster deployment and operation of DNSSEC validation within ISPs throughout the U.S.

WG5 Objective

Phase 1, March 2012,
•Implementation Practices
Phase 2, September 2012
•DNS Security Performance Metrics
Phase 3, December 2012
•Status of DNS Security Performance Metrics

We will try to beat these dates.

The Solution

- Most WG members recruited
  - A few more may be added
- Balanced between senior technical people in ISPs and senior technical DNS/DNSSEC experts
- Shinkuro, Inc. providing admin and writing support
- First conference call in the process of being scheduled

Status

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Thank You

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