SSAC Activities this week

- Internal SSAC meeting
- SSAC Presentation to GAC
- SSAC Public Presentation
- Other interactions
  - ccNSO
  - ALAC -- Robert Guerra new Liaison to SSAC
  - DNSSEC: .PR is signed!!
SSAC Internal Meeting

• Used this session to hear from other groups
  – Anti-Phishing Working Group - Pat Cain
    • Possible DNS related practices
    • Possible role for DNSSEC
  – Spamhaus - Richard Cox
    • Fastflux -- rapid changes to A records to avoid detection

SSAC Presentation to GAC

• GAC asked for security briefing
  – GAC invited ccTLDs to join
• Overview of SSAC
• DDoS attacks
• DNSSEC

•Probably will do something similar in Oct.
Public SSAC Meeting

• Whois email work
  – Do email addresses in whois lead to spam?
  – YES

• IDN Security/Stability study
  – Still underway

Comparison of Results

For an email address that is not published anywhere other than the WHOIS

– When protected-WHOIS is used, it is possible to achieve two orders of magnitude reduction in the amount of spam delivered

– When Delegated-WHOIS is used, it is possible to achieve three orders of magnitude reduction in the amount of spam delivered

– When Protected-WHOIS and Delegated-WHOIS are used, it is possible to achieve close to four orders of magnitude reduction in the amount of spam delivered
Estonia Attack

• Estonia
• Protests & Cyber Attacks
• Response

Estonia

• 1.4 million people
• Substantial ethnic Russian minority
• Extensive Internet use
  – Banking, voting, petrol purchase, etc.
  – 60% use Internet daily
  – “Real life” and Internet intermingled
• Only a few connections to other countries
Protests & Cyber Attacks

• Relocation of Russian statue triggered protests
  – Outside Estonia as well as inside
• Defacement and DDoS
• Attacks were dominated by bot armies
• Almost all traffic came from outside

Response

• Excellent coordination inside Estonia
  – CERT, ISPs
• Technical people and government institutions communicated, cooperated
• Help from outside
• External traffic to government stopped
SSAC Members

- Alain Aina
- Jaap Akkerhuis
- KC Claffy
- Steve Crocker, chair
- Johan Ihren
- Rodney Joffe
- Mark Kosters
- Ram Mohan
- Russ Mundy
- Frederico Neves
- Jon Peterson
- Ray Plzak, vice chair
- Mike St. Johns
- Doron Shikmoni
- Bruce Tonkin
- Paul A Vixie
- Suzanne Woolf

Others

- David Conrad - IANA General Manager
- Dave Piscitello - ICANN Fellow
- Jim Galvin - Exec
- Daniel Karrenberg - Invited Guest
- Patrik Fältström - Invited Guest
- Lyman Chapin - Invited Guest
- Rajashekar Ramaraj - Invited Guest
- Stefano Trumpy - GAC Liaison
- Olaf Kolkman - IAB Point of Contact
- Robert Guerra - ALAC Liaison