ICANN Security and Stability Advisory Committee

ICANN Meetings
Carthage
October 30, 2003
SECSAC Committee

- Steve Crocker, Chair
- Alain Patrick Aina
- Jaap Akkerhuis
- Doug Barton
- Steven M. Bellovin
- Rob Blokzijl
- David R. Conrad
- Johan Ihren
- Mark Kosters
- Allison Mankin
- Ram Mohan
- Russ Mundy
- Jun Murai
- Frederico A.C. Neves
- Ray Plzak
- Doron Shikmoni
- Ken Silva
- Bruce Tonkin
- Paul Vixie
- Rick Wesson

Staff support: Jim Galvin
SECSAC Committee Strengths

- Root Server Operators
- gTLD Operators
- ccTLD Operators
- Name Space Registries
- Regional Internet Registries (RIRs)
- Registrars
- Internet Security

No policy or political members(!)
Preamble

- On Sept 15, VeriSign introduced change to .com and .net domain
- Redirected unassigned names to their own server (SiteFinder)
- Immediate complaints and problem reports
- Several actions, including SECSAC
SECSAC Involvement

- Advisory issued 9/22
- Public inputs
  - secsac-comment@icann.org
- Public meetings 10/7 & 10/15
- More public inputs
- Report will come toward end of November
SECSAC in the larger process

- SECSAC is an advisory committee
  - We only speak. We don’t decide or enforce. Others may choose to listen.
  - ICANN management will deliberate and choose path following our report.
- Focus on Security and Stability
  - Not competition, etc.
  - But may include large issues
What Happened

- VeriSign used the wild card feature to redirect all uninstantiated names to their own servers
  - Previously, returned standard error code
  - This was a change to an existing service
- Some things broke
- Some took defensive action
  - BIND and other resolvers changed the address back into a non-existent domain error code
  - Some ISPs blocked the SiteFinder service
Broad Areas of Concern

- Abruptness
  - No notice or community involvement
  - But internal and private testing
- Is it the right thing?
  - Changes in the core vs innovation
  - Lots more to say
- Competition and contracts
  - Not our concern; belongs elsewhere
Initial Advisory

- VeriSign: Please roll back
- Tech Community: Please clarify specs
  - IETF, IAB, network and DNS operators
- ICANN: Please clarify procedures
10/7 Agenda

10:00 Welcome
Arnaud de Borchgrave
Steve Crocker

10:20 VeriSign Site Finder
Scott Hollenbeck

11:00 What was affected
David Shairer
Paul Vixie

11:30 Community Tech Responses
Richard M. Smith

12:00 Information Flow

12:30 LUNCH

2:00 Protocol Problems and Architectural Issues
Steven M. Bellovin

2:30 Internet Protocols and Innovation
John C. Klensin

3:00 Other Issues; Open Session

3:30 Next Steps
Steve Crocker

4:00 Adjourn
10/15 Agenda

1:00 Welcome
1:15 VeriSign Business Overview of Site Finder
1:45 Technical Review Panel Summary
2:15 Technical Issues and VRSN Responses
2:45 Usability Market Research
3:15 Next Steps

3:30 BREAK
3:45 Measuring ISP Responses to SiteFinder
4:15 Global Name Registry Statement

4:30 Other Issues; Open Session

Steve Crocker
Anthony Renzette
Scott Hollenbeck
Matt Larson
Ben Turner
Chuck Gomes
Rusty Lewis
Benjamin Edelman
Hakon Haugnes
Geir Rasmussen
Steve Crocker
Tentative Issues

- Abruptness
- Rightness
- Systemic Stability
- Confidence
- Technical Clarity
- Process Clarity
- Displaced Costs

- Innovation at core vs edge
- Future architecture
- Role of standards
- Existing wild cards
  - .museum, et al
- Scope/size