

Security Advisory Committee

ICANN Meetings

Bucharest

June 27, 2002

Topics

- Formation
- Committee
- Charter
- Audience
- Approach
- Long-term schedule
- Near term Schedule
- Other Groups

Formation

- 9/11 => November Marina del Rey meeting
 - Excellent participation
 - Appropriate forum for Internet-wide coordination
- Board directed creation of a...
 - “... committee on the security and stability of the Internet's naming and address allocation systems.”
 - Started as a President's committee
 - Converted to a standing board committee

Committee

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

Plus: Stuart Lynn, Andrew McLaughlin, Jim Galvin

Committee Strengths

- Root Server Operators
- gTLD Operators
- ccTLD Operators
- Name Space Registries
- Registrars
- Internet Security

No policy or political members(!)

Charter

- “Develop a framework for DNS and address allocation security...”
- “Develop requirements for new or revised DNS standards and protocols...”
- “Engage in ongoing risk analysis...”
- Track progress and synchronize with existing standardization, deployment, operational, and coordination activities.

Audience

- ICANN Board (of course)
- IETF and Security Community
- Operators
 - Servers – Root, gTLD, ccTLD, Address
 - Registrars
 - ISPs
- Governments
- Public

Approach

- Strength
- Measurement
- Communication

Strength

- **Protocols:** The protocols are well defined and well designed
- **System Design:** The system of servers and communication paths is strong and robust against both qualitative attacks, e.g. source address spoofing, and quantitative attacks, e.g. DDOS.
- **Registration:** The registration procedures are strong and reasonably uniform
- **Threats:** The threats are identified and countered

Measurement

- Metrics and Milestones
 - What constitutes “good?”
 - Partly quantitative and partly qualitative
- Measurements
 - Where are we?
 - How quickly are we improving?

Make sure we're all talking about the same things – avoid vague hyperbole

Long term schedule

- Plot course toward acceptable state
 - Probably a couple of years
- Shift into maintenance mode
 - Re-evaluate charter, organization, operation

Near term schedule

- By Shanghai...
 - Description
 - Vulnerabilities
 - Security Architecture
 - Measurement framework

Other Groups

- Cyber Security Working Group
 - Intel, HP, Oracle, Cisco, Worldcom, Microsoft
- Securing the Future of Internetworking
 - Sept workshop and follow on work
- Measurement groups
 - Men and Mice, Registro.br, et al.