

# ICANN 44 WORKSHOP

## *DNS Risk Management Framework Working Group*

*28 June 2012*



# Agenda

- Working group formation and charter
- Since Costa Rica: Final list of tasks
- Assessment
- Discussion



# Working Group Members

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# Working Group Members

- Bill Graham [chair]
- Ray Plzak
- Ram Mohan [SSAC liaison]
- Suzanne Woolf (RSSAC liaison)
- Patrik Fältström [SSAC Chair]
- Bill Woodcock [CEO, Packet Clearing House]
- Roelof Meijer [CEO, SIDN]



# Since Costa Rica

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# Definitions (1)

For WG purposes, the DNS consists of:

- a) DNS protocol, as specified in RFCs and implemented mainly by software developers: data formats, resolution process, definitions of "DNSSEC validation" and "recursion" and naming hierarchy; "technical," driven within IETF by process and history, indifferent to the semantics/"meaning" of names



# Definitions (2)

- b) DNS data, as specified in RFCs (base spec, DNSSEC, IDNA) and policy as developed by registries, registrars, governments, IANA, etc.; what's in the global, distributed DNS database that we access via the protocol;



# Definitions (3)

- c) DNS operations, as carried out by server operators: anycast, server location/provisioning best practices, operating system interfaces as provided to application writers.

These distinctions make clear that different aspects of "the DNS" have different constituencies, risks, and imports.





# Tasks specified in the RFP

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# Tasks (1)

- Develop an inventory of risks to the DNS, and identify those falling within ICANN's mandate and operational responsibilities.
- Conduct an impact analysis of internal and external factors that would affect performance of ICANN's functions.



# Tasks (2)

- Analyze the severity of impact for each of the identified risk factors.
- Identify what measures ICANN needs to put in place to anticipate and potentially mitigate the most probable and impactful risks to the DNS.



# Staff Assessment for DNS Risk Management Framework Working Group (DNRMF WG)

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# Summary

- Timeline and process
- Retain consultant
- ICANN security team to support and manage study
- Initial report/DNS Risk Management Framework
- Implementation phase under ICANN security team



# The Assessment

- Proposed timeline
- Draft Request for Proposals
- List of tasks
- Background Material
- Related work



# Discussion

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# Thank You





# Questions

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