

# Roadmap to implement SAC 051 Recommendations (Replacing the WHOIS protocol)

15 March 2012

Boungainvillea Room, 1300-1400



**COSTA RICA**

11-16 March 2012

# Agenda

- 13:00 to 13:05 Overview -- Patrik Fältström, Chair of the SSAC
- 13:05 to 13:15 SAC051: SSAC Report on Domain Name WHOIS Terminology and Structure - Jim Galvin, Vice Chair of the SSAC
- 13:15 to 13:25 Current Developments at the IETF - Andrew Sullivan, Dyn, Inc
- 13:25 to 13:35 Draft Roadmap to implement SAC 051 - Francisco Arias, ICANN
- 13:35 to 14:00 Open Discussion - Moderated by Patrik Fältström

# Overview

- WHOIS is important for the Internet Community
- SSAC has produced several advisories related to WHOIS (SAC 027, SAC 033, SAC 051)
  - Specifically, SAC051 exposes issues related to taxonomy and problems with the WHOIS protocol
- ICANN Board have tasked the staff to produce a roadmap to implement the SAC 051 recommendations

# Roadmap to Implement SAC 051

- **28 October 2011 Board Directs ICANN Staff to:**
  - Produce, in consultation with the community, a roadmap for the coordination of the technical and policy discussions necessary to implement the recommendations outlined in SAC 051.
  - Forward SAC 051 to ICANN's Advisory Committees and Supporting Organizations for their advice, if any, with regards to implementing the SSAC recommendations, and to forward SAC 051 to the Whois Review Team.
- **18 February 2012:** Draft roadmap posted for public comment at: <http://tinyurl.com/SAC051>
- **15 March 2012:** Public Workshop “Replacement of WHOIS,” Boungainvillea Room, 1300-1400

*SAC 051: SSAC Report on  
Domain Name WHOIS  
Terminology and Structure*

*Jim Galvin*

# *SSAC Report on Domain Name WHOIS Terminology and Structure*

1. Clarify the taxonomy associated with WHOIS
2. Make observations in light of the taxonomy
3. Offer a set of recommendations aimed at moving efforts at improving WHOIS

# WHOIS Taxonomy

- Domain Name Registration Data (DNRD)
- Domain Name Registration Data Access Protocol (DNRD-AP)
- Domain Name Registration Data Directory Service (DNRD-DS)

# Observations

- No uniform data model that exists for domain name registration data
- The WHOIS protocol itself has no standard capacity for handling non-ASCII text
- Directory services do not satisfy legitimate needs for access to different granularities of data



# Recommendations

The ICANN community should:

1. Adopt the terminology outlined in SAC051.
2. Evaluate and adopt a replacement domain name registration data access protocol that supports the query and display of Internationalized Domain Name Registration Data (DNRD) as well as addressing the relevant recommendations in SAC 003, SAC 027 and SAC 033.
3. Develop a uniform and standard framework for accessing DNRD that would provide mechanisms to define and implement a range of verification methods, credential services, and access control capabilities.

# Current Developments at the IETF

*Andrew Sullivan*

*Dyn, Inc / IETF participant*

# WEIRDS Process

- Worthwhile Extensible Internet Registry Data Service
- Broadly aligned with CRISP requirements (RFC 3707)
- REST based web service for easy implementability

# WEIRDS Process

- BOF in Taipei
- Strong agreement to do work on Internet numbers (RIRs)
- Skepticism expressed about work on domain names
- No agreement yet on proposed charters
- Another BOF in Paris

# WEIRDS Challenges

- 2 BoF is the maximum
- If no charter after Paris, no WG
- Little evidence of work on names
  - Numbers have more work done
- We have already been here before
  - CRISP/IRIS
  - RWhois
  - Whois++

# IETF culture

- There is no promise that anything will result
  - “*Rough consensus* and running code”
- Evidence of work in progress very valuable
  - “*Rough consensus and running code*”

**Work is officially done on the mailing list**

# Participate!

Drafts:

<http://tools.ietf.org/id/weirds>

List: [weirds@ietf.org](mailto:weirds@ietf.org)

<https://www.ietf.org/mailman/listinfo/weirds> to  
subscribe



# Draft Roadmap to Implement SAC 051

*Francisco Arias, ICANN*



# Current environment

- GNSO's WHOIS Service Requirements Report
  - List various requirements, e.g., discoverability, structured queries, standardized replies and error messages, internationalization, security elements
- Joint GNSO-SSAC IRD WG (draft final report)
  - Similar recommendation to replace WHOIS
- AoC's Whois Policy Review Team (draft report)
  - Recommend to internationalize the Whois service
  - Include the requirements to offer the Internationalized Service in contracts

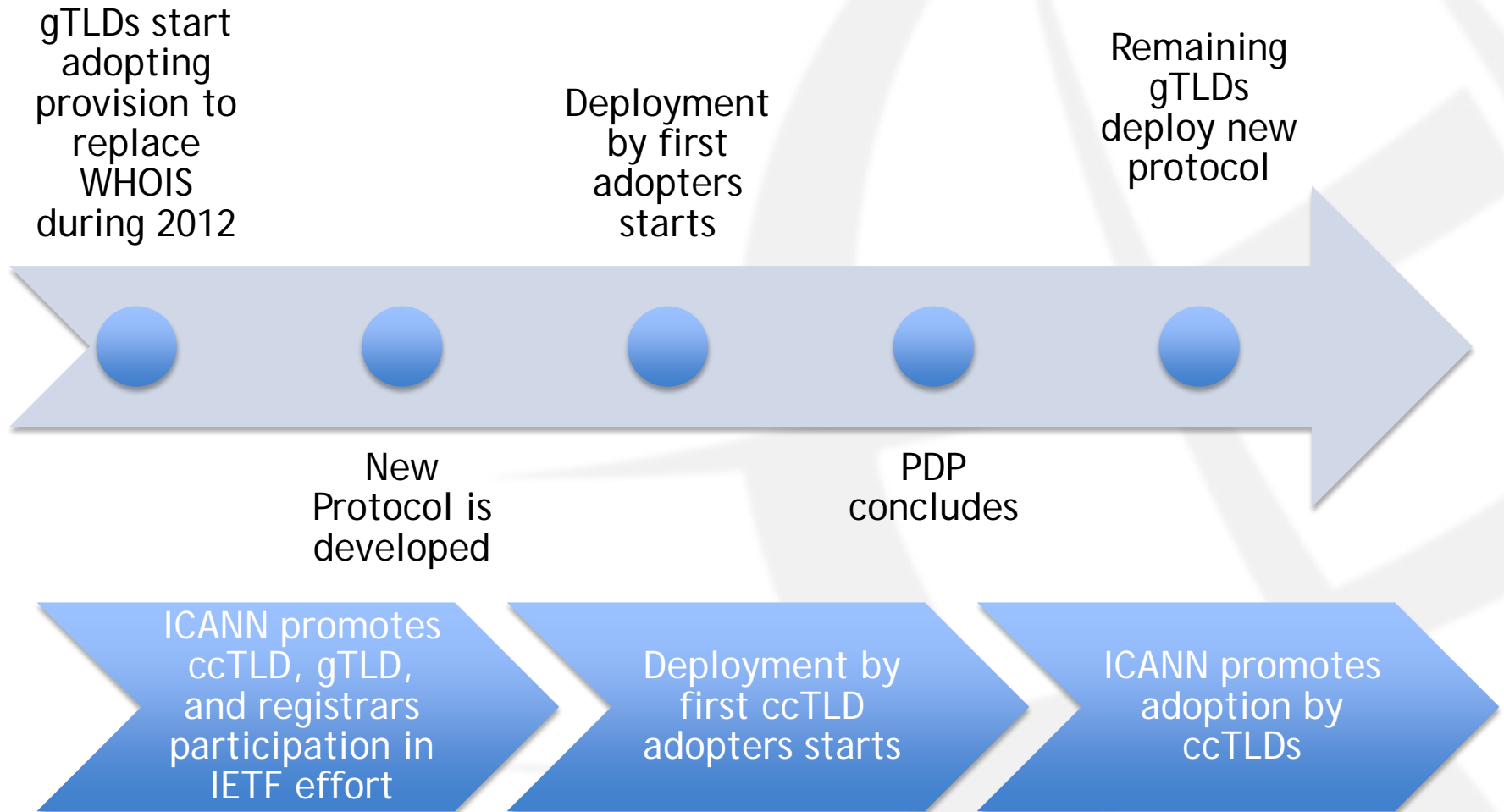
# Path Forward/ New Terminology

1. Prepare a one-page summary of the terminology recommended by SSAC to be shared within staff and stakeholders, through SO/AC chairpersons
2. Transition to the preferred terminology in documents over a period of time by incorporating them into working documents accompanied by definitions.

# Path Forward/ Replacing WHOIS

- Promote participation of ccTLD and gTLD registries and registrars in the development of a protocol to replace WHOIS within the IETF
- Initiate a GNSO PDP with ccNSO, SSAC and ALAC participation to replace the WHOIS protocol?
- Negotiate the inclusion of provisions in gTLD registries and registrars' contracts, as appropriate
- Promote adoption of the WHOIS replacement protocol within ccTLDs

# Roadmap to Implement SAC 051



# Next Steps

- Draft roadmap for public comment until 18-Mar, reply period ends on 8-Apr:  
<http://tinyurl.com/SAC051>
- It is envisioned to have a second version of the roadmap for public comment, depending on input received
- Roadmap will be finalized for Board and community action by Prague meeting in June 2012

# Open Discussion

*Moderated by Patrik Fältström*



Thank You