Objective of this session

- The Registration Data Access Protocol (RDAP) is intended to eventually replace the WHOIS (port 43) protocol.

- ICANN is preparing to request implementation of RDAP from gTLD registries and registrars in the short term.

- This session will offer an opportunity to discuss the different community members' challenges and questions surrounding RDAP implementation.
Main RDAP Features vs. WHOIS

- Standardized query, response and error messages
- Secure access to data (i.e., over HTTPS)
- Extensibility (e.g., easy to add output elements)
- Bootstrapping mechanism to easily find the authoritative server for a given query
- Standardized redirection/reference mechanism (e.g., from a registry to a registrar)
- Builds on top of the well-known web protocol HTTP/HTTPS
- Support for internationalized registration data
- Differentiated access (e.g., limited access for anonymous users, and full access for authenticated users)
RDAP History

- **19 September 2011**: SSAC’s SAC 051: “The ICANN community should evaluate and adopt a replacement domain name registration data access protocol”

- **28 October 2011**: Board resolution adopts SAC 051

- **4 June 2012**: Roadmap to implement SAC 051 is published

- **2012**: RDAP community development within IETF WG begins

- **March 2015**: RDAP IETF RFCs are published

- **June 2015**: Begin work on the RDAP gTLD Profile which maps RDAP features to existing policy and contractual requirements

- **26 July 2016**: Version 1.0 of RDAP gTLD Profile is published
Development of the RDAP gTLD Profile – Timeline

- Discussion with the community about a profile’s concept in June 2015
- First draft of the gTLD RDAP profile shared for discussion with the community in September 2015.
- Working session during ICANN meeting on 21-Oct-2015
- Working session during IETF meeting on 4-Nov-2015
- Updated version went for public comment from 3-Dec-2015 to 18-Mar-2016
- Working session during ICANN meeting on 7-Mar-2016
- Updated release candidate 1 version shared for discussion with the community on 30-Jun-2016
- Updated release candidate 2 version shared for discussion with the community on 22-Jul-2016
- Version 1.0 of RDAP gTLD Profile published on 26-Jul-2016
RDAP – Current Status

- The implementation of RDAP was required by the first version of the Consistent Labeling & Display Policy

- Registries submitted a “Request for Reconsideration” regarding the inclusion of RDAP in the Consistent Labeling & Display policy, among other things
  - Revised Consistent Labeling & Display Policy, removing the RDAP requirement, is currently open for public comment

- ICANN plans to request RDAP implementation, via existing contractual requirements, once the Consistent Labeling & Display policy is finalized and following consultations with the community
Panel Discussion
Engage with ICANN

Thank You and Questions

Reach us at:
Email: globalSupport@icann.org
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**Roadmap to Implement SAC 051**

- **gTLDs start adopting provision to replace WHOIS during 2012**
- **Deployment by first adopters starts**
- **Remaining gTLDs deploy new protocol**
- **Protocol is standardized in the IETF**
- **PDP concludes**
- **ICANN promotes ccTLD, gTLD, and registrars participation in IETF effort**
- **Deployment by first ccTLD adopters starts**
- **ICANN promotes adoption by ccTLDs**