Update On Recent IETF WHOIS activities

Steve Sheng
Taxonomy of Whois (SAC 051)

• **Registration Data** - the information that registrants provide when registering a domain name and that registrars or registries collect

• **Access Protocol** - the elements of a (standard) communications exchange that make access to registration data possible

• **Directory Service** - service(s) offered by registries and registrars to provide access to a subset of the Domain Name Registration Data
The Need for a New Protocol

- The WHOIS (RFC 3912) has never been internationalized
- The WHOIS has no data framework
- The WHOIS does not have capabilities to support differentiated access
IETF WEIRDS (Web Extensible Internet Registration Data Service)

- Standardize a data framework
- Deliver objects encapsulated in that framework over a RESTful service over HTTP
- Generally following the requirements from CRISP (RFC 3707) but ...
IETF WEIRDS (Web Extensible Internet Registration Data Service)

- producing a simple, easy-to-implement protocol, supporting internationalized registration data
- possibly of differential service based on client authentication
- addressing the need for both number and name registries
What is RESTful?

- **Representational State TransFer**
  - Resources are represented by URIs
  - GET, PUT, POST, DELETE

- Number registries have running code, for some, more queries to restful web service than port 43 WHOIS

http://whois.arin.net/rest/poc/KOSTE-ARIN
Status

- Chartered in April 2012
- Working on 4 core RFCs now
- Scheduled to complete by August 2013

Thank You
Questions