

# SSAC ALAC Joint Meeting

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# Active Projects

- WHOIS

- Are the current protocol and services sufficient to accommodate “internationalized” contact information?
- Need a way to resolve tension between registrants’ desire for privacy and others, particularly law enforcement and intellectual property constituency, desire for accurate path to registrant. Hence, we need to improve accuracy and integrity of registration information and accommodate future access control needs, we must develop requirements and a transition plan from WHOIS to a directory service

# Domain Registrations

- Protective measures for high profile, highly valued domain names
  - Only two current registration service models
    - Basic (consumer): high transaction rates, highly automated, nominal protective measures
    - Premium: registration protective measures are part of a broad package that emphasizes brand equity protection
- Is there a need for a 3<sup>rd</sup> model
  - More registration protective measures than Basic, less emphasis on brand equity than Premium

# DNS Vulnerabilities

- Studied patches and “stop gap” techniques that temporarily mitigate “Kaminsky flaw”
- With IETF, studying methods to add entropy to transaction ID in DNS messages
  - “0x20” allows DNS client to signal that name in query is case-sensitive (e.g., IcAnn.Org)
  - The longer the domain name, the more entropy
- DNSSEC is only permanent cure
  - Studies to assess the state of DNSSEC “readiness”
    - What name server implementations are DNSSEC-capable?
    - Can broadband access devices process DNSSEC messages?
    - What end user applications are DNSSEC-capable?
  - Studies on trust anchors, performance, key management

# Questions?