ICANN gTLD Registry Failover Project

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Agenda, 2:30-3:30, 4:00-5:00

- Recap of Crystal City meeting and work to date
- Latest version of Registry Failover Plan (24 Apr 2008)
- 2009 Failover Exercise Ideas
- Setting Stage for Achieving a Final Plan by Paris
- 3:30 Break
- Discussion of Development of Data Escrow Spec
- Wrap up, Next Steps to Paris

Failover Plan Evolution

- Failover Project began in June 2006
- ICANN Sao Paulo – Consultations with Registries
- March 2007 – Registry Data Escrow Survey
- June 2007 – Registry Failover Report
- 20 Oct 2007 – Draft Failover Plan Published

Failover Plan Evolution

- Plan revised following ICANN Los Angeles
- 24-25 Jan 2008 – ICANN gTLD Failover Exercise
- 5 Feb 2008 – Updated Failover Plan Circulated
- Feb 2008 – ICANN Delhi Meeting
- Apr 2008 – Updated Data Transition Elements & Developing Data Escrow specification for new gTLDs
- June 2008 – ICANN Paris

Recap from Crystal City Meeting

- Agreement on overall goal of Failover Plan:
  - Protection of Registrants
  - Ensure confidence in the DNS
- Received suggestions for data transition, dealing with emergency situations; joint registry-ICANN failover exercise in future
- Positive input on process for dealing with situations once a registry has failed

Recap from Crystal City Meeting

- Suggestion for determining successor:
  - Publish call for expressions of interest & ask the community if anyone wants to take over the TLD
  - From those that expressed an interest, review for technical capacity
  - If there are multiple qualified applicants, an auction might be a possibility
  - If no one wants the TLD, provide notice to the community and shut down the TLD

24 April 2008 Update to Failover Plan

- Added clearer reference to goals (protection of registrants and ensuring confidence in the DNS)
- Added the suggestions from Crystal City meeting in transition section
- Removal of references to "non-voluntary transition"
- Other minor numbering changes

- Still looking for input on overall plan as it changed from Oct 07 draft to Feb 08 draft to Apr 08 draft

Failover Exercise 24-25 January 2008

- Internal ICANN exercise based on common tabletop exercise practices – used staff in 8 locations worldwide, examined 5 main scenarios:

1. Escalation of Temporary Failures
2. DNSSEC Compromise
3. IDN/Natural Disaster/Gov't Takeover
4. Complex attack on Backend Operator
5. Bad acts of a registry

Failover Exercise 24-25 January 2008 - Observations

- ICANN role during significant DNS events
- Definition of event and other terminology
- Supporting plans/procedures for an event
- Internal information flow during normal operations
- Registry transition procedures
- Other observations (temporary resolution-only service, data escrow)

Failover Exercise 24-25 January 2008 – Exercise Objectives

- Test staff actions based on the draft Failover Plan
- Train staff for crisis response based on certain failure situations
- Assess maturity of ICANN's technical decision-making progress
- Provide clear, concise definitions and labels for each stage of the process
- Work toward achieving completion of Failover Plan in '07-08 Fiscal Year

Failover Exercise – 2009?

- Once the Failover Plan is generally agreed as acceptable, ICANN is interested in partnering with gTLD registries to conduct a failover exercise in 2009
- Looking to group to provide input on conducting test
  - Scenario ideas
  - Timing of exercise
  - Scope

Data Escrow Specification

- Current Sections of the Registry Data Escrow Spec:
  - Schedule
  - Deposit Format
  - Deposit Transfer Process
  - Verification Procedures

  Suggestions to look at Release Conditions, Terms & QA Testing

  Looking for input from Registry Constituency on development of updated specification

Data Escrow Specification

- Identified need to update data escrow specification to become current

  – Need to fix language on escrow of DNSSEC material

  – Standardize format and process for delivery

  – Clarify release conditions

  – Streamline process for escrow

  – Recognition that current process is not sufficient to reconstitute a registry

Data Escrow Specification

- Staff is seeking registry input into creation of new spec that can be put into new gTLD base agreement

- Looking to work with a group to provide improvements for the spec between now and Paris

- Ideas for advancing the work forward