

I C A N N 4 7



New gTLD Pre-Delegation Testing



NO.47 - 14-18 JULY 2013



Agenda

- PDT Overview
- PDT Process
- PDT Status Update
- Preparing for PDT
- Communications
- Q & A

What is Pre-Delegation Testing (PDT)?

- Verification step to ensure registry ready for production
 - Verifies documentation
 - Tests the production registry systems

PDT Elements

- DNS
- WHOIS
- EPP
- Data Escrow
- IDN



Where PDT fits in the program



- Pre-Requisites for PDT
 - Executed Registry Agreement
 - Production Ready System

The PDT Process



PDT Process Overview

- Preparation Activities
 - Establish a test appointment & PDT Contact with ICANN
 - Submit PDT Input Data to PDT System
 - Due Friday 11.59 UTC before appointment
- Testing
 - Expect 2 week duration
 - May require 1 week extension to remedy any issues preventing a pass
- Results Report
 - 2 weeks after test completion



Result

- Application has PASSED Pre-Delegation Testing

More details are found in each test level.

Level: DNS

Result: PASS

ID	Result	Comment
DNS01	PASS	
DNS02	PASS	
DNS03	PASS	
DNS04	PASS	
DNS05	PASS	
DNS06	PASS	
DNS07	PASS	
DNS08	PASS	



PDT Status Update



PDT Operationally Ready

- PDT Module in Portal Deployed
- Eligibility Notifications will be sent shortly after contract execution
- Production Version of PDT materials released



Changes to PDT Test Specs

- Distributed DNS Tests
- Validation to the registry agreement
 - Whois fields required per Specification 4
 - Searchable Whois, if applicable
 - Required DNSSEC EPP extension
 - IDN tables listed in Exhibit A
- Pass / Fail Criteria



PDT Development

- Pilot Program in March
 - 9 Participants
- Beta Program April – July
 - 45 Appointments
 - 24 Registry Service Providers
 - Final Beta Appointments begin today (15 July)
 - Beta Appointments will be completed by 2 August



Preparing for PDT

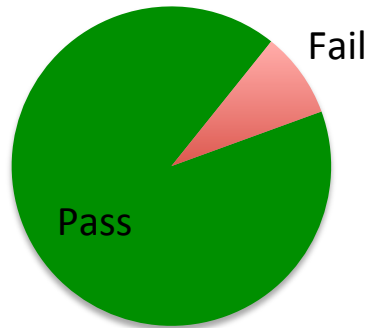


Patrik Hildingsson

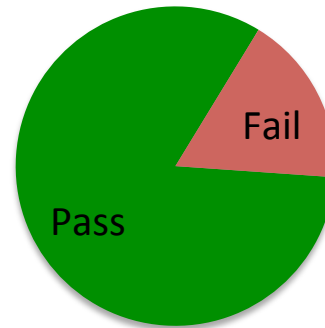


Beta Testing Statistics

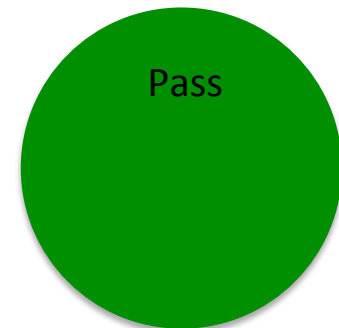
Documentation



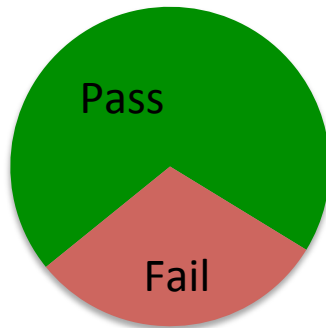
Whois



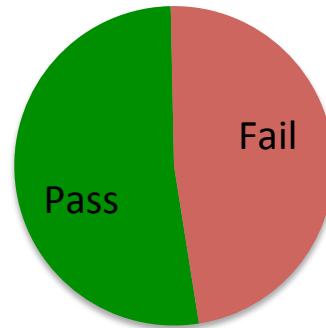
Data Escrow



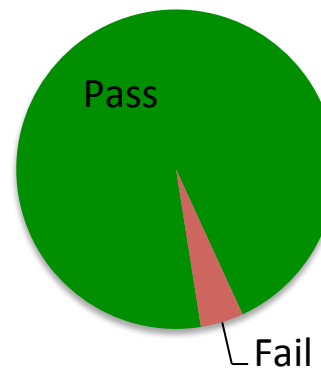
EPP



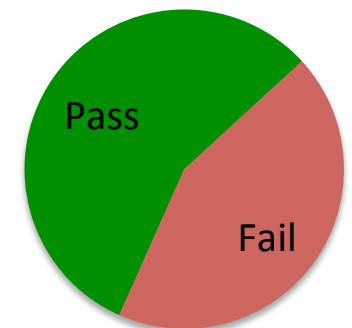
IDN/EPP



IDN



DNS



47 DNS Testing

- Overall Success rate: 56%
- Most Issues: DNS04 Network Diversity
 - Autonomous System Numbers (ASNs)
- Requirement:
 - Announced from ≥ 2 ASNs for IPv4
 - Announced from ≥ 2 ASNs for IPv6
- Self check:
 - RIPE Routing Information Service

Whois Testing

- Overall Success Rate: 83%
- Primary Issues found:
 - Formatting not per Specification 4 of Registry Agreement
 - Access over TCP port 43 & web based Whois
 - Searchable Whois functionality per Specification 4 of the Registry Agreement

EPP Testing

- Overall Success Rate 70%
- Adjusted the EPP Extensions Check
- Connectivity
 - PDT Test Node IP Addresses
- Client Certificates
 - If required provide via pdtepp.xml
 - Pkcs12 certificate with both public & private, base64 encoded
- EPP implementation non-compliant



Data Escrow Testing

- Overall Success Rate: 100%
- File Names & Formats
 - Stored in TAR then encrypted into RYDE
- Valid Signature
 - Valid Detached Signature
- Valid XML
 - Use the Self Test Tool for XML

Documentation Testing

- Overall Success Rate: 91%
- DNS Self Certification MUST Specify
 - Provide both server & network capacity & expected load
 - Location of DNS Probe
 - In relation to test targets
 - Load Test Response Requirements
 - Zone Data
 - NXDOMAIN
 - NODATA



Documentation Testing continued

- Self certification guidelines
 - Ensure that each test case is addressed
 - Responses should stand alone
 - Extrapolating load test data is ok
 - Do not provide excessive data

IDN Testing

- Overall Success Rate: 96%
- Include **only** the **required** IDN tables listed in Exhibit A of the Registry Agreement. Other tables **must not** be included.
 - Machine parseable IDN tables as TXT (UTF-8)
 - Statement of all policies regarding the implementation of those tables
- Verify IDN tables before submission
 - <http://github.com/dotse/idn-properties>

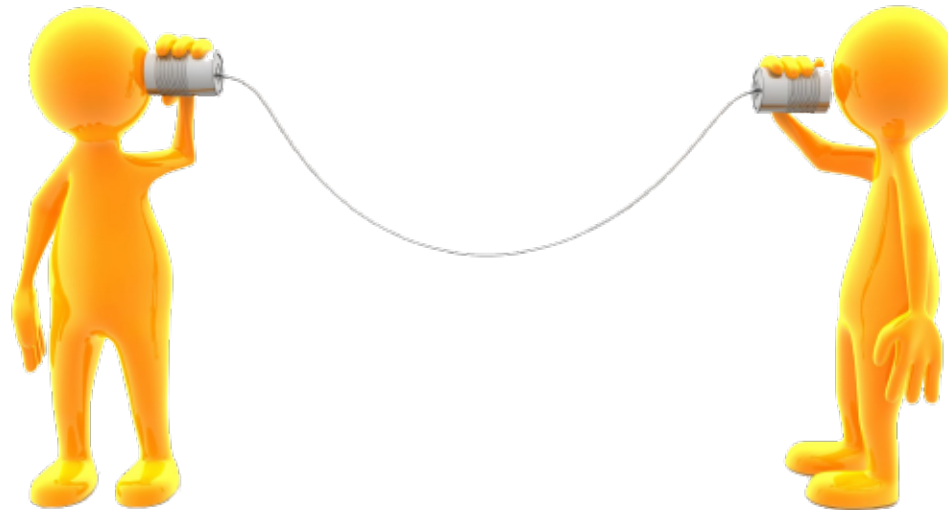
IDN EPP Testing

- IDNValid07 - 08
- Overall Success Rate: 53%
 - Policies not implemented in the EPP server
 - EPP backend system does not support IDN
 - This condition is now PASS with warning

PDT Checklist

- Select a PDT Contact
- Review the PDT Resources on Microsite
- Self Test Tools in the FAQ
- Check RIPE Routing Information Service
- Format your WHOIS response per Spec 4
- Allow PDT access to your EPP server
- Finalize your DPS per RFC 6841
- Execute your Data Escrow Agreement

PDT Communications



Russ Weinstein





Customer Service & Communications ICANN – Customer Portal

- Use Cases for:
 - Appointment Scheduling & Changes
 - Process Questions
 - Requirements Clarification
 - Escalating Issues
 - Test Report Questions



Customer Service & Communications PDT System Messaging Tool

- While engaged in PDT
 - Requirements clarifications
 - Follow up questions
- Response Time
 - 1 Business Day or better
 - 1-2 Business Days if escalated to ICANN
- Business Hours 05.00 – 19.00 UTC
- Messaging tool update coming 30 July



PDT System Messaging Tool

The screenshot shows the ICANN Pre-Delegation Testing System (PDT) messaging tool interface. At the top left is the ICANN logo. The main header reads "ICANN Pre-Delegation Testing System". Below the header are navigation tabs: "Home", "Applications", and "My Page". On the right, it says "Logged in as jan.sall@iis.se" with a "Logout" button. A breadcrumb trail indicates the current location: "You are here: Applications > Application 1-868-27848 > Messages". The main content area is titled "Application Messages" and contains a "New Message" button. Below this is a table of messages:

From	Subject	Date	Status	Action
You	EPP: Questions about extensions	2013-07-11 11:36:47 UTC	SENT	View
Test Agent	EPP: Questions about extensions	2013-07-11 11:42:14 UTC	READ	View Reply

At the bottom of the page, it states: "Hosted by .SE (Stiftelsen for Internetinfrastruktur) - the ICANN new gTLD PDT Service Provider".



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Thank you



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