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Test specification for the Pre-Delegation Testing

Background

The purpose of the Pre-Delegation Testing (PDT) is to verify that the applicant has met its commitment to establish registry operations in accordance with the technical and operational criteria described in the gTLD Applicant Guidebook (AGB). Each applicant will be required to complete Pre-Delegation Testing as a prerequisite to delegation into the root zone.

Document Structure

The zip file includes the test specifications for Pre-Delegation Testing including a Master Test Plan and the various detailed test plans. The test specifications for Pre-Delegation Testing use the document structure given in IEEE 829-2008, Standard for Software and System Test Documentation. The overall scope for the Pre-Delegation Testing is described in the Master Test Plan (PDT_MTP). The actual Test Cases are described in the Test Plans. For the Pre-Delegation Testing the following Test Plans have been prepared; DNS, Whois, EPP, IDN, Data Escrow and Documentation (including self certification documentation).

The Test Cases defined in the Test Plans are based on the requirements in the agreement between the Pre-Delegation Testing Service Provider and ICANN based on the AGB requirements. The Test Plans include references to the AGB, specifications in the Registry Agreement, and relevant RFCs.

The different Test Cases are further described in the Test Case documents, where steps taken to execute the Test Case and information needed to perform the tests are described. The Test Cases belonging to one Test Plan are documented in one or multiple Test Case documents depending on the extent of the area.

Documentation

The documentation of the Pre-Delegation Testing consists of the following documents:

Test Plan	No. of Test Cases	Description of Test Cases
PDT_DNS_TP	31	PDT_DNS_TC_Anycast, PDT_DNS_TC_Delegation, PDT_DNS_TC_DNSSEC PDT_DNS_TC_Zone
PDT_Whois_TP	22	PDT_Whois_TC_CLI, PDT_Whois_TC_Search, PDT_Whois_TC_Web
PDT_EPP_TP	14	PDT_EPP_TC

PDT_IDN_TP	8	PDT_IDN_TC
PDT_DataEscrow_TP	7	PDT_DataEscrow_TC
PDT_Documentation_TP	29	PDT_Documentation_TC_DataEscrow, PDT_Documentation_TC_DNS, PDT_Documentation_TC_DPS, PDT_Documentation_TC_EPP, PDT_Documentation_TC_SL, PDT_Documentation_TC_Whois

A total of 114 Test Cases

Documentation of the data escrow release process testing

ICANN may also elect to have the Pre-Delegation Testing Service Provider verify the data escrow release process. The Pre-Delegation Testing Service Provider will then validate that the escrow agent, upon a request, can release data within 24 hours. The received data will be validated against the requirements given in the Applicant Guidebook.

The documentation of the data escrow release process testing consists of the documents:

Test Plan	No. of Test Cases	Description of Test Cases
Escrow Release Test Plan	5	PDT_EscrowRelease_TC

Documentation of on-site audit

In addition to the tests and reviews which all applicants will undergo, ICANN may elect to perform an on-site audit of an applicant. The framework for the on-site audit is given in the document: On-Site Audit Test Plan.