

Pre-Delegation Testing

Documentation Whois Test Cases

Version PA4

DRAFT

File name: PDT_Documentation_TC_Whois.docx

Last saved: 2013-03-06

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Document control

Document information and security

Made by	Responsible for fact	Responsible for document
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Security class	File name
External	PDT_Documentation_TC_Whois.docx

Revisions

Date	Version	Name	Description
2013-02-07	PA1	Björn Sjöholm	Initial document
2013-02-07	PA2	Rickard Bellgrim	Add Document Hierarchy and final chapter
2013-02-11	PA3	Lennart Bonnevier	Review text
2013-03-06	PA4	Björn Sjöholm	Whois03 added. Minor revisions in Whois01, Whois02.

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1. Introduction

1.1 Scope

The Pre-Delegation Testing Provider will test self-certification documents regarding Whois and verify that the requirements are fulfilled.

1.2 References

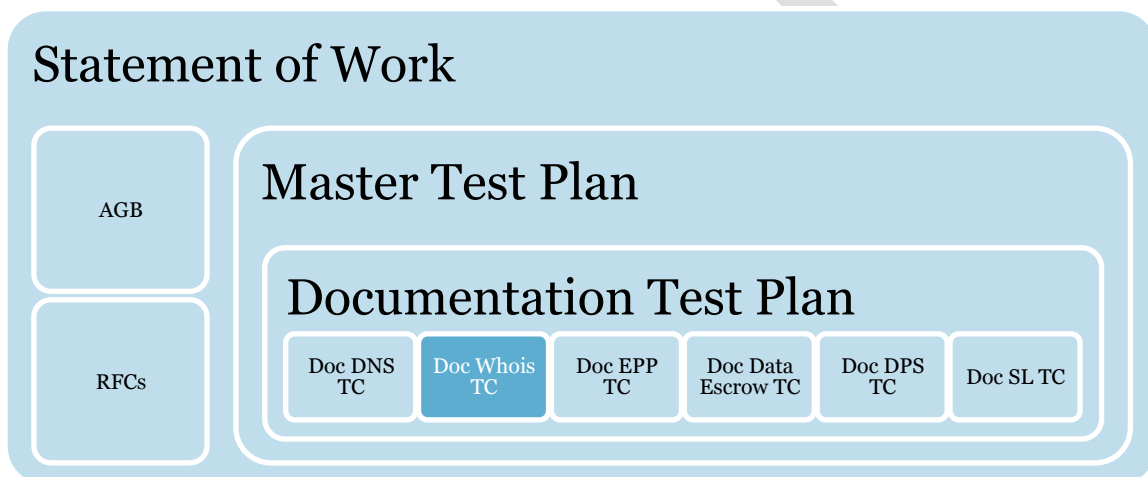
1.2.1 External

- IEEE 829-2008
- ICANN gTLD Applicant Guidebook, Version 2012-06-04

1.2.2 Internal

- Pre-Delegation Testing, Statement of Work
- Pre-Delegation Testing, Master Test Plan
- Pre-Delegation Testing, Documentation Test Plan

1.2.3 Document Hierarchy



1.3 Context

N/A

1.4 Notation for description

Each test case for the Documents Whois is described in its own chapter. The test procedures are described directly in the test case.

2. Document Whois 01

2.1 Test case identifier

DocWhois01

2.2 Objective

The test verifies that the self-certification documents

- describe the maximum number of queries per second successfully handled, both on port 43 and web interface
- include an applicant-provided load expectation

2.3 Inputs

The following information will be needed as input for this test case:

Id	Description	Type
gTLDSelfCert	The Applicants self-certification documentation	Documents
gTLDAApplication	The Applicants original application	Document

2.4 Outcome(s)

The self-certification documents MUST include the required information.

2.5 Environmental needs

N/A

2.6 Special procedural requirements

Suspend test if applicant documentation is missing or incomplete for most parts.

2.7 Intercase dependencies

This test has no intercase dependencies.

2.8 Ordered description of steps to be taken to execute the test case

1. Identify the parts in the self-certification documents concerning Whois transaction capacity, including both TCP port 43 and via a web interface. Expected part is: document gTLDSelfCert section 2.1.1.
2. Verify that the self-certification documents include a description of the maximum number of questions successfully handled on TCP port 43.
3. Verify that the self-certification documents include a description of the maximum number of questions successfully handled on a web interface.
4. Verify that this is provided for both IPv4 and IPv6.
5. Verify that the self-certification documents include an applicant-provided load expectation.

3. Document Whois 02

3.1 Test case identifier

DocWhois02

3.2 Objective

The test verifies that the self-certification documents

- Include a description of deployed control functions to detect data mining of the Whois database
- Include a description of deployed control functions to mitigate data mining of the Whois database

3.3 Inputs

The following information will be needed as input for this test case:

Id	Description	Type
gTLDSelfCert	The Applicants self-certification documentation	Documents
gTLDApplication	The Applicants original application	Document

3.4 Outcome(s)

The self-certification documents **MUST** include the required information.

3.5 Environmental needs

N/A

3.6 Special procedural requirements

Suspend test if applicant documentation is missing or incomplete for most parts.

3.7 Intercase dependencies

This test has no intercase dependencies.

3.8 Ordered description of steps to be taken to execute the test case

1. Identify the parts in the self-certification documents describing detection and mitigation of data mining of the Whois database. Expected part is: document gTLDSelfCert section 2.2.
2. Verify that the self-certification documents include a description of deployed control functions for detecting data mining of the Whois database.
3. Verify that the self-certification documents include a description of deployed control functions for mitigating data mining of the Whois database.
4. Verify that the user interface data mining protection is implemented in the web interface.

4. Document Whois 03

4.1 Test case identifier

DocWhois03

4.2 Objective

The test verifies that the self-certification documents

- Include a description of provisions made for searchable Whois lookup services for names registered in the TLD, if applicable
- Demonstrate that these services fulfill all assertions made by the Applicant in the gTLD application

4.3 Inputs

The following information will be needed as input for this test case:

Id	Description	Type
gTLDSelfCert	The Applicants self-certification documentation	Documents
gTLDApplication	The Applicants original application	Document

4.4 Outcome(s)

The self-certification documents **MUST** include the required information.

4.5 Environmental needs

N/A

4.6 Special procedural requirements

Suspend test if applicant documentation is missing or incomplete for most parts.

4.7 Intercase dependencies

This test has no intercase dependencies.

4.8 Ordered description of steps to be taken to execute the test case

1. Identify the parts in the self-certification documents describing searchable Whois.
Expected part is: document gTLDSelfCert section 2.3.
2. Identify assertions made regarding searchable Whois in the Applicants gTLD application.
3. Verify that the description of the searchable Whois service complies with these assertions.

5. Global

5.1 Glossary

The glossary is available in the Master Test Plan.

5.2 Document change procedures

Document change procedures are documented in the Master Test Plan.

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