

# Pre-Delegation Testing

## Documentation Whois Test Cases

Version C

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## Document control

### Document information and security

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|---------------|----------------------|--------------------------|
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### Revisions

| Date       | Version | Name              | Description   |
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| 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   |
| 2013-03-05 | PA4     | Björn Sjöholm     | Whois03 added. Minor revisions in Whois01, Whois02. |
| 2013-03-26 | PA5     | Björn Sjöholm     | Minor revision in Whois03.                          |
| 2013-04-08 | B       | Staffan Hagnell   | Delivery D2 for production                          |
| 2013-05-03 | C       | Mats Dufberg      | Released  |

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## 1. Introduction

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### 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

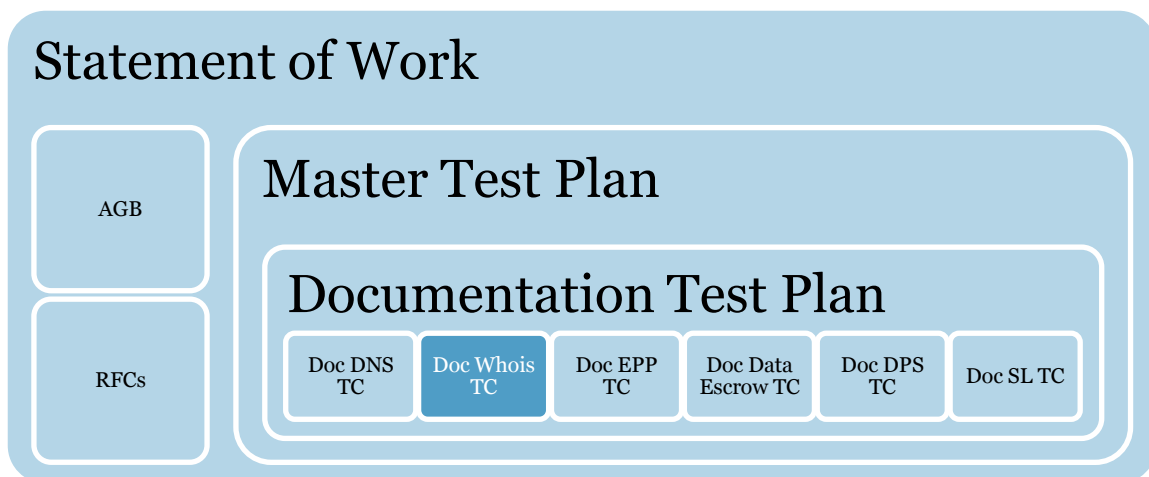
#### 1.2.1 External

- 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

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### 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.
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

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#### 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 |
| gTLDAApplication | 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

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### 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 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 if assertions has been made regarding searchable Whois in the Applicants gTLD application or are referenced in the self-certification documentation.
3. Verify that the description of the searchable Whois service complies with these assertions.



## 5. Global

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### 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.