

Pre-Delegation Testing

Documentation Service Level Test Cases

Version G

File name: PDT_Documentation_TC_SL.docx
Last saved: 2013-09-19

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Document control

Document information and security

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Security class	File name
External	PDT_Documentation_TC_SL.docx

Revisions

Date	Version	Name	Description
2013-02-07	PA1	Björn Sjöholm	Initial document
2013-02-07	PA2	Rickard Bellgrim	Adjust text
2013-02-11	PA3	Lennart Bonnevier	Review text
2013-03-06	PA4	Björn Sjöholm	References added.
2013-03-26	PA5	Björn Sjöholm	DocSL04, DocSL05, DocSL06: Clarification on process for assertions.
2013-04-08	B	Staffan Hagnell	Delivery D2 for production
2013-05-03	C	Mats Dufberg	Released
2013-06-25	D	Lennart Beckman	PASS/FAIL criteria added. Test case titles added. References to gTLD Application removed. References to the Registry Agreement added. DocSL04-DocSL06 removed.
2013-07-24	E	Mårten Frosth	Modification to DocSL03 regarding heading in the self-certification document.
2013-08-07	F	Mårten Frosth	Changed reference to self-certification section for DocSL02 regarding SLA for Whois to 2.3 since one previous heading was removed in the self-certification document. Release.
2013-09-19	G	Mats Dufberg	Minor editorial correction.

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1. Introduction

1.1 Scope

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

1.2 References

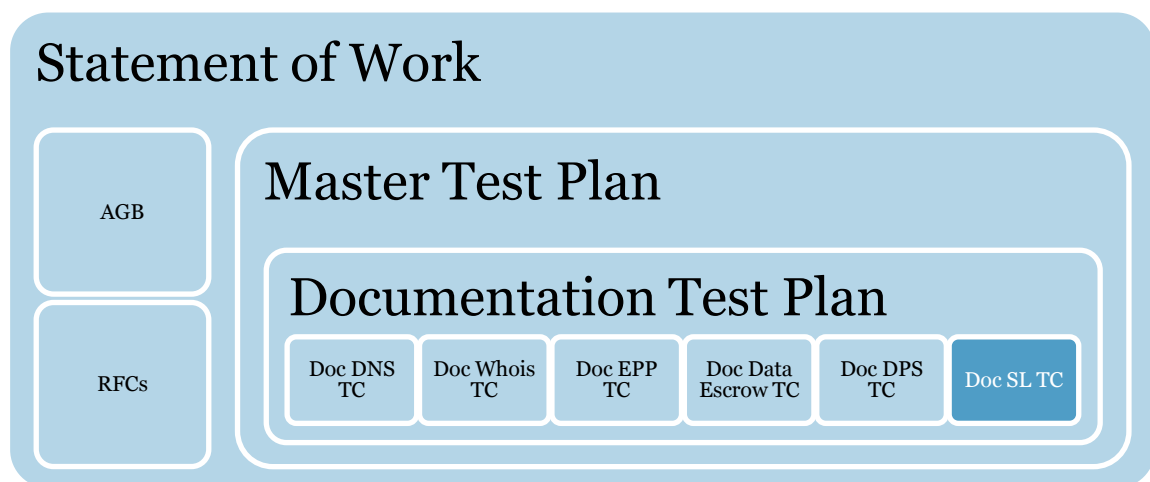
1.2.1 External

- 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, Document Test Plan

1.2.3 Document Hierarchy



1.3 Context

N/A

1.4 Notation for description

Each test case for the Documentation Service Level is described in their own chapter. The test procedures are described directly in the test case.

2. Document SL 01, DNS SLA

2.1 Test case identifier

DocSL01 DNS SLA

2.2 Objective

The test verifies that the self-certification documents concerning DNS service levels comply with with the SLA given in Specification 10 of the Registry Agreement.

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
Specification 10	Specification 10 of the Registry Agreement	Documents

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 that contain service levels for DNS support.
Expected part is: document gTLDSelfCert section 1.5.
2. Verify that DNS service availability
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.
3. Verify that DNS name server availability
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.
4. Verify that TCP DNS resolution RTT
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.
5. Verify that UDP DNS resolution RTT
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.
6. Verify that DNS update time
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.

The outcome of the testcase is PASS if all criteria for PASS and no criteria for FAIL are fulfilled.

Criteria for PASS:

- All service levels comply with what is stated in Specification 10 of the Registry Agreement.

Criteria for FAIL:

- One or more service levels does not fulfill what is stated in the Registry Agreement.
- Part of the requested information is unclear or missing.

3. Document SL 02, Whois SLA

3.1 Test case identifier

DocSL02 Whois SLA

3.2 Objective

The test verifies that the self-certification documents concerning Whois service levels comply with with the SLA given in Specification 10 of the Registry Agreement.

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
Specification 10	Specification 10 of the Registry Agreement	Documents

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 that contain service levels for Whois services.
Expected part is: document gTLDSelfCert section 2.3.
2. Verify that the availability of Whois services
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.
3. Verify that the query Round-Trip Time for Whois services
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.
4. Verify that the update time for Whois services
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.

The outcome of the testcase is PASS if all criteria for PASS and no criteria for FAIL are fulfilled.

Criteria for PASS:

- All service levels comply with what is stated in Specification 10 of the Registry Agreement.

Criteria for FAIL:

- One or more service levels does not fulfill what is stated in the Registry Agreement.
- Part of the requested information is unclear or missing.

4. Document SL 03, EPP SLA

4.1 Test case identifier

DocSL03 EPP SLA

4.2 Objective

The test verifies that the self-certification documents concerning EPP service levels comply with with the SLA given in Specification 10 of the Registry Agreement.

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
Specification 10	Specification 10 of the Registry Agreement	Documents

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 that contain service levels for EPP services.
Expected part is: document gTLDSelfCert section 3.4.
2. Verify that the availability of EPP services
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.
3. Verify that the session-command Round-Trip Time for EPP services
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.
4. Verify that the query-command Round-Trip Time for EPP services
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.
5. Verify that the transform-command Round-Trip Time for EPP services
 - a. is stated in the self-certification documents and
 - b. that it complies with the SLA in Specification 10.

The outcome of the testcase is PASS if all criteria for PASS and no criteria for FAIL are fulfilled.

Criteria for PASS:

- All service levels comply with what is stated in Specification 10 of the Registry Agreement.

Criteria for FAIL:

- One or more service levels does not fulfill what is stated in the Registry Agreement.
- Part of the requested information is unclear or missing.

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.