

Pre-Delegation Testing

Documentation EPP Test Cases

Version D

File name: PDT_Documentation_TC_EPP.docx
Last saved: 2013-05-03

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Document control

Document information and security

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Security class	File name
External	PDT_Documentation_TC_EPP.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	DocEPP07 added. References added.
2013-03-26	PA5	Björn Sjöholm	DocEPP04, DocEPP05 and DocEpp06 consolidated. New identifier DocEPP04. DocEpp07 minor changes and renumbered to DocEPP05.
2013-04-08	B	Staffan Hagnell	Delivery D2 for production
2013-05-03	C	Mats Dufberg	Released
2013-06-04	D	Mats Dufberg	Corrected typo ("registrar" instead of "registry")

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1. Introduction

1.1 Scope

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

1.2 References

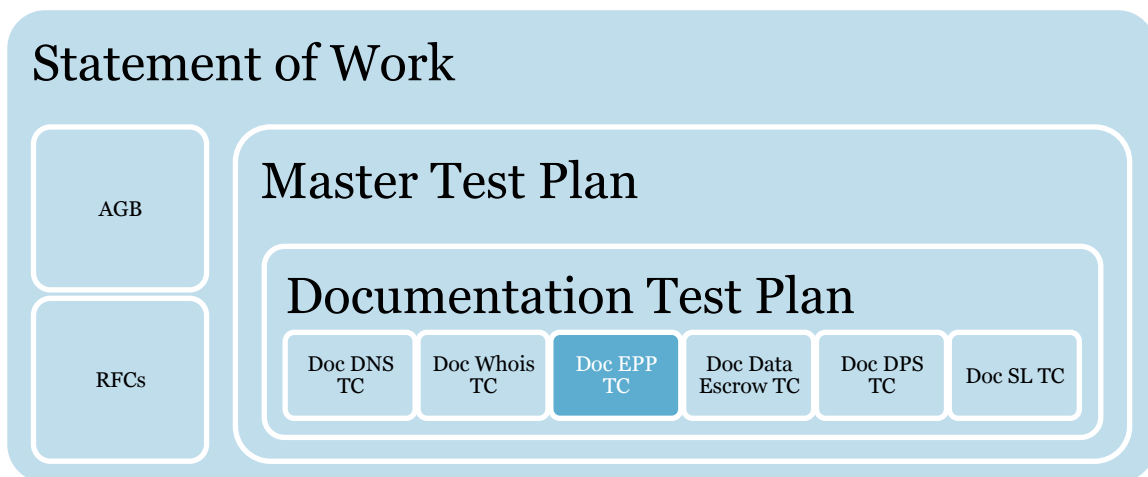
1.2.1 External

- 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 EPP is described in its own chapter. The test procedures are described directly in the test case.

2. Document EPP 01

2.1 Test case identifier

DocEPP01

2.2 Objective

The test verifies that the self-certification documents demonstrate that the EPP service meets the anticipated load.

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 EPP service capacity.
Expected part is: document gTLDSelfCert section 3.1.
2. Verify that the self-certification documents demonstrate that the EPP service meets the anticipated load.

3. Document EPP 02

3.1 Test case identifier

DocEPP02

3.2 Objective

The test verifies that the self-certification documents

- provide a maximum transactions per second rate for the EPP interface.
- provide this rate with 10 data points ranging from empty registry database to the expected size after one year of operations.

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 concerning EPP transaction rate. Expected part is: document gTLDSelfCert section 3.1.
2. Verify that the self-certification documents provides maximum transactions rate for the EPP interface.
3. Verify that the documentation states the expected size of the registry database after one year of operations, as determined by the applicant.
4. Verify that the maximum transaction rate is given in 10 data points ranging from an empty registry database to the expected size after one year of operations.

4. Document EPP 03

4.1 Test case identifier

DocEPP03

4.2 Objective

The test verifies that the self-certification documents describe measures taken to handle EPP services during initial registry operations, e.g. a land-rush period.

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
gTLDAApplication	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 concerning EPP service capacity.
Expected part is: document gTLDSelfCert section 3.2.
2. Verify that the self-certification documents describe measure taken to handle EPP services during initial registry operations, e.g. a land-rush period.

5. Document EPP 04

5.1 Test case identifier

DocEPP04

5.2 Objective

The test verifies that the self-certification documents demonstrate that the EPP extensions comply with specification 6 of Registry Agreement and RFC 3735.

5.3 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

5.4 Outcome(s)

The self-certification documents MUST include the required information.

5.5 Environmental needs

N/A

5.6 Special procedural requirements

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

5.7 Intercase dependencies

This test has no intercase dependencies.

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

1. Identify the parts in the self-certification documents concerning EPP extensions. Expected part is: document gTLDSelfCert section 3.3.
2. Verify that the self-certification documents demonstrate that the EPP extension service
 - a. complies with RFC 3735
 - b. complies with Specification 6, section 1.2, of the Registry Agreement
 - c. are documented in Internet-Draft format following the guidelines described in RFC 3735

6. Document EPP 05

6.1 Test case identifier

DocEPP05

6.2 Objective

The test verifies that the self-certification documents concerning EPP services over IPv6 complies with assertions given in the gTLD application.

6.3 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

6.4 Outcome(s)

The self-certification documents MUST include the required information.

6.5 Environmental needs

N/A

6.6 Special procedural requirements

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

6.7 Intercase dependencies

This test has no intercase dependencies.

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

1. Identify the parts in the self-certification documents concerning EPP services over IPv6. Expected part is: document gTLDSelfCert section 3.4.
2. Identify assertions concerning EPP services over IPv6 that are referenced in the self-certification documentation.
3. Verify that the description in the self-certification documents concerning the EPP services over IPv6 complies with these assertions.

7. Global

7.1 Glossary

The glossary is available in the Master Test Plan.

7.2 Document change procedures

Document change procedures are documented in the Master Test Plan.