

Pre-Delegation Testing

Documentation EPP Test Cases

Version G

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2013-04-08	B	Staffan Hagnell	Delivery D2 for production
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2013-07-16	PG1	Mårten Frosth	Modifications proposed by ICANN included that were missing from the F release.
2013-07-18	PG2	Mårten Frosth	Modification to DocEPP04 regarding listing of EPP extensions no longer required.
2013-07-23	PG3	Mårten Frosth	Modification to DocEPP01 to include specific capacity criteria of 3 times the expected load.
2013-07-24	PG4	Mårten Frosth	Modification to DocEPP01, changed specific capacity criteria from 3x to 2x.
2013-07-24	G	Mårten Frosth	Released.

LIST OF CONTENTS

1.	INTRODUCTION.....	4
1.1	SCOPE	4
1.2	REFERENCES	4
1.2.1	<i>External</i>	4
1.2.2	<i>Internal</i>	4
1.2.3	<i>Document Hierarchy</i>	4
1.3	CONTEXT.....	4
1.4	NOTATION FOR DESCRIPTION	4
2.	DOCUMENT EPP 01, EPP CAPACITY	5
2.1	TEST CASE IDENTIFIER	5
2.2	OBJECTIVE	5
2.3	INPUTS	5
2.4	OUTCOME(S).....	5
2.5	ENVIRONMENTAL NEEDS.....	5
2.6	SPECIAL PROCEDURAL REQUIREMENTS.....	5
2.7	INTERCASE DEPENDENCIES	5
2.8	ORDERED DESCRIPTION OF STEPS TO BE TAKEN TO EXECUTE THE TEST CASE.....	5
3.	DOCUMENT EPP 02, EPP TPS	6
3.1	TEST CASE IDENTIFIER	6
3.2	OBJECTIVE	6
3.3	INPUTS	6
3.4	OUTCOME(S).....	6
3.5	ENVIRONMENTAL NEEDS.....	6
3.6	SPECIAL PROCEDURAL REQUIREMENTS.....	6
3.7	INTERCASE DEPENDENCIES	6
3.8	ORDERED DESCRIPTION OF STEPS TO BE TAKEN TO EXECUTE THE TEST CASE.....	6
4.	DOCUMENT EPP 03, EPP LAND-RUSH.....	8
4.1	TEST CASE IDENTIFIER	8
4.2	OBJECTIVE	8
4.3	INPUTS	8
4.4	OUTCOME(S).....	8
4.5	ENVIRONMENTAL NEEDS.....	8
4.6	SPECIAL PROCEDURAL REQUIREMENTS.....	8
4.7	INTERCASE DEPENDENCIES	8
4.8	ORDERED DESCRIPTION OF STEPS TO BE TAKEN TO EXECUTE THE TEST CASE.....	8
5.	DOCUMENT EPP 04, EPP EXTENSIONS	9
5.1	TEST CASE IDENTIFIER	9
5.2	OBJECTIVE	9
5.3	INPUTS	9
5.4	OUTCOME(S).....	9
5.5	ENVIRONMENTAL NEEDS.....	9
5.6	SPECIAL PROCEDURAL REQUIREMENTS.....	9
5.7	INTERCASE DEPENDENCIES	9
5.8	ORDERED DESCRIPTION OF STEPS TO BE TAKEN TO EXECUTE THE TEST CASE.....	9
6.	GLOBAL.....	10
6.1	GLOSSARY	10
6.2	DOCUMENT CHANGE PROCEDURES	10

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

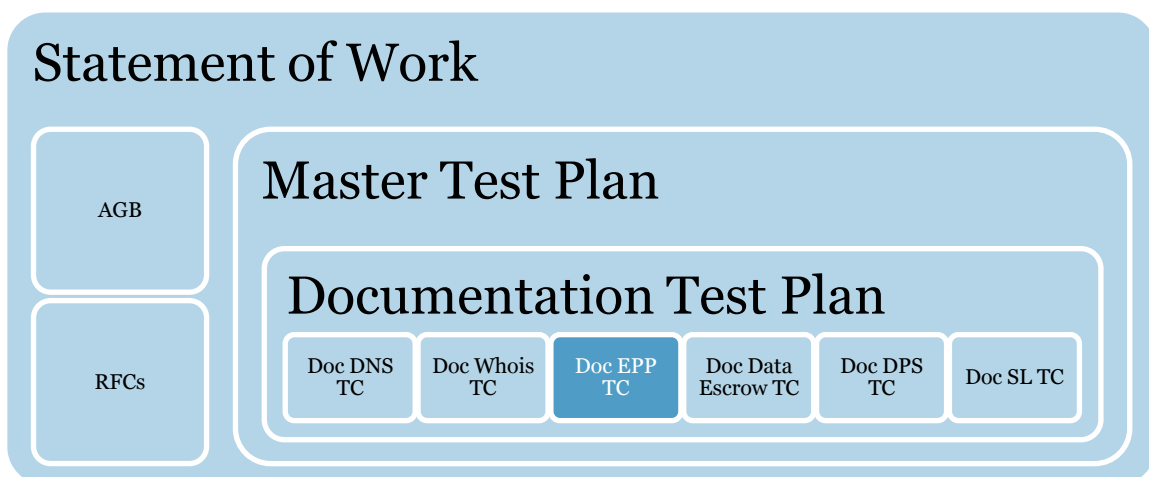
1.2.1 External

- 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, EPP Capacity

2.1 Test case identifier

DocEPP01 EPP Capacity

2.2 Objective

The test verifies that the self-certification documents demonstrate that the EPP service exceeds 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

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 capacity is equal to or greater than 2 times the expected load.

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

Criteria for PASS:

- The anticipated load on the EPP service is stated, as well as the capacity of the service. The documentation must show that the EPP service capacity exceeds the expected load by at least 2 times as stated in the self-certification documents (step 2).

Criteria for FAIL:

- Part of the requested information is unclear or missing.

3. Document EPP 02, EPP TPS

3.1 Test case identifier

DocEPP02 EPP TPS

3.2 Objective

The test verifies that the self-certification documents

- provide the expected 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

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 expected 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 expected transaction rate is given in 10 data points ranging from an empty registry database to the expected size after one year of operations.

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

Criteria for PASS:

- Expected transaction rate for the EPP interface is provided (step 2).

- An estimate of the registry database after one year of operation is provided (step 3).
- The expected transaction rate is provided for 10 data points ranging from an empty database to the above mentioned estimated size (step 4).

Criteria for FAIL:

- Part of the requested information is unclear or missing.

4. Document EPP 03, EPP Land-rush

4.1 Test case identifier

DocEPP03 EPP Land-rush

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

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.

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

Criteria for PASS:

- A brief description is included of reasonable measures for handling EPP services during initial registry operations (step 2).

Criteria for FAIL:

- Part of the requested information is unclear or missing.

5. Document EPP 04, EPP Extensions

5.1 Test case identifier

DocEPP04 EPP Extensions

5.2 Objective

The test verifies that the applicant attests the EPP extensions are documented in accordance with RFC 3735 in their self certification document.

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

5.4 Outcome(s)

A pass will be awarded if statement in the self certification claims the EPP extensions are documented in accordance with the guidelines of RFC 3735, otherwise the test case will fail.

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 extensions
 - a. complies with RFC 3735
 - b. are documented in Internet-Draft format following the guidelines described in RFC 3735

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

6. Global

6.1 Glossary

The glossary is available in the Master Test Plan.

6.2 Document change procedures

Document change procedures are documented in the Master Test Plan.