

TAXUD/A4 –TARIC3-INB-Performance Test Plan	
	Ref: TARIC3-INB-PTP

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TAXUD/A4 – QUOTA2 – Performance Test Plan	
TABLE OF CONTENTS	Ref:TARIC3-INB-PTP

TABLE OF CONTENTS

1. INTRODUCTION.....6

 1.1. Objective of this document6

 1.2. Scope of the document6

 1.3. Structure of this document6

 1.4. Intended audience.....6

 1.5. Abbreviations and acronyms6

 1.6. Reference documents6

 1.7. Applicable documents.....7

2. TEST REFINEMENTS8

 2.1. Test case guidelines.....8

 2.1.1. Test scenario coverage.....8

 2.1.2. Test case structure.....8

 2.1.3. Message terminology8

 2.2. Test data set9

 2.2.1. User data set.....9

 2.2.2. TARIC3 reference data set9

 2.3. Test Approach.....9

 2.4. Test execution.....9

 2.4.1. Test cases ‘inb_perf_xxx’10

 2.4.2. Test cases ‘inb_load_xxx’10

 2.4.3. Test cases ‘inb_volume_xxx’10

 2.4.4. Test cases ‘inb_perf_impact_xxx’10

 2.5. Preliminary steps11

 2.5.1. Creation of the baseline11

 2.5.2. Creation of the background activity12

3. TEST CASES14

 3.1. Performance tests.....14

 3.1.1. Test case: inb_perf_0114

 3.1.2. Test case: inb_perf_02.....14

 3.1.3. Test case: inb_perf_03.....15

 3.1.4. Test case: inb_perf_04.....16

TAXUD/A4 – QUOTA2 – Performance Test Plan	
TABLE OF CONTENTS	Ref:TARIC3-INB-PTP

3.1.5.	Test case: inb_perf_05.....	17
3.1.6.	Test case: inb_perf_06.....	18
3.2.	Load tests	20
3.2.1.	Test case: inb_load_01	20
3.2.2.	Test case: inb_load_02	20
3.2.3.	Test case: inb_load_03	21
3.2.4.	Test case: inb_load_04	22
3.2.5.	Test case: inb_load_05	23
3.2.6.	Test case: inb_load_06	24
3.3.	Volume tests	24
3.3.1.	Test case: inb_volume_01	24
3.3.2.	Test case: inb_volume_02	25
3.3.3.	Test case: inb_volume_03	26
3.3.4.	Test case: inb_volume_04	27
3.3.5.	Test case: inb_volume_05	28
3.3.6.	Test case: inb_volume_06	28
3.4.	TARIC3 Performance Impact tests	30
3.4.1.	Test case: inb_perf_impact_01.....	30
3.4.2.	Test case: inb_perf_impact_02.....	30
3.4.3.	Test case: inb_perf_impact_03.....	31
3.4.4.	Test case: inb_perf_impact_04.....	31
3.4.5.	Test case: inb_perf_impact_05.....	32
3.4.6.	Test case: inb_perf_impact_06.....	32
3.4.7.	Test case: inb_perf_impact_07.....	33
3.4.8.	Test case: inb_perf_impact_08.....	34
3.4.9.	Test case: inb_perf_impact_09.....	34
3.4.10.	Test case: inb_perf_impact_10.....	35
3.4.11.	Test case: inb_perf_impact_11.....	35
3.4.12.	Test case: inb_perf_impact_12.....	36
4.	TEST REPORT FORM.....	37
4.1.	Environment description	37
4.2.	Baseline report.....	37
4.3.	Test case execution.....	37

TAXUD/A4 – QUOTA2 – Performance Test Plan	
TABLE OF CONTENTS	Ref:TARIC3-INB-PTP

ANNEX 1: COVERAGE TABLE41

ANNEX 2: TARIC3 BACKGROUND ACTIVITIES.....42

TAXUD/A4 – QUOTA2 – Performance Test Plan	
LIST OF TABLES	Ref:TARIC3-INB-PTP

LIST OF TABLES

Abbreviations and acronyms.....6

Reference documents6

Applicable documents.....7

Environment description37

Baseline report.....37

Test report form.....40

Coverage table.....41

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
INTRODUCTION	Ref: TARIC3-INB-PTP
OBJECTIVE OF THIS DOCUMENT	

1. INTRODUCTION

1.1. Objective of this document

This document describes the test cases that define the performance testing activities for the TARIC3 –INB system.

The document should be used to guide the execution of the tests.

1.2. Scope of the document

This document contains all the test cases required to comprehensively test the Input Bridge Satellite application. This library of test scenarios provides test coverage for the Performance test phase.

1.3. Structure of this document

This document has 3 chapters after this introduction chapter. Chapter 2 describes the test environment. Chapter 3 describes the various test cases. Finally, chapter 4 gives the template of the test report form that must be filled in when the TARIC3-INB system is tested.

1.4. Intended audience

This document is intended for people responsible for the assessment of the performances of the TARIC3-INB system.

1.5. Abbreviations and acronyms

CDCO	Centrally Developed, Centrally Operated
DG TAXUD	Directorate General Taxation and Customs Union
INB	Input Bridge
TARIC	<i>Tarif Intégré Communautaire</i>
UNIX	Unix operating system
XML	eXtensible Markup Language

Table 1: Abbreviations and acronyms

1.6. Reference documents

[TARIC3-INB-FS]	“TARIC3 - INB - Functional Specifications”, version 1.02”
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Table 2: Reference documents

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
INTRODUCTION	Ref: TARIC3-INB-PTP
APPLICABLE DOCUMENTS	

1.7. Applicable documents

[TARIC3-INB-PTS]	“TARIC3 – INB- Performance Test Scenarios”, version 1.00”
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Table 3: Applicable documents

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST REFINEMENTS	Ref: TARIC3-INB-PTP
TEST CASE GUIDELINES	

2. TEST REFINEMENTS

2.1. Test case guidelines

2.1.1. Test scenario coverage

The performance test plan covers the performance test scenarios defined in [\[TARIC3-INB-PTS\]](#) . For each performance test scenario; one or several test cases are defined. The table in Annex [1](#) clearly identifies which test cases implement each test scenario.

2.1.2. Test case structure

A test case is composed of one or more scripts that are specified in the following way:

<u>Name:</u>	The name of the test case to be executed.
<u>Purpose:</u>	A short description of what is performed by the test case.
<u>Related Scenario</u>	Reference of the performance test scenario in relationship with the test case.
<u>Precondition:</u>	All the required conditions that must be fulfilled before the test case is executed. Please note that the default precondition is mentioned only once.
<u>Content:</u>	The description of the actions to be performed, together with the data to be used, when deemed relevant.
<u>Expected output:</u>	The time the operator has to register and check.

2.1.3. Message terminology

During the execution of a test case, one or several messages will be exchanged between the Input Bridge and TARIC3 CDCO. In the remainder of this document, the following terminology will be applied for the message exchanges:

- **Client message:** Message sent from a client towards the Input Bridge Interface.
- **INB response message:** Message sent by the Input Bridge Interface to a client.
- **TARIC3 input message:** Message sent by a TARIC3 user to TARIC3 CDCO system.

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST REFINEMENTS	Ref: TARIC3-INB-PTP
TEST DATA SET	

2.2. Test data set

2.2.1. User data set

The following users having TARIC3 data management rights should be defined:
[Removed] .

On the other hand, the following Input Bridge users should be defined :

[Removed] and *[Removed]* .

2.2.2. TARIC3 reference data set

A copy of the TARIC3 production database will be used as TARIC3 reference data set, in order to have a representative and realistic data set. In fact, all relevant tables in the database will be populated with a production like quantity and mix of data.

2.3. Test Approach

The tests are in the form of single test cases intended for manual execution and manual recording of the results unless otherwise stated.

The results will be compared with the baseline.

Some tests need to simulate a background activity. This background activity will be simulated through a script.

2.4. Test execution

Test plan can be executed as follow:

- Execute the following command line through the console:
 - `start_inb.sh 2>&1 | tee log.txt`
- Once this action is performed successfully, volume tests are not finished. You have to check through the interface or through the database that the three 'edifact' files are processed. Their status will be: "Partially processed". This action will take several hours. Then execute the following command:
 - `start_inb.sh log`
 - `find output -name '*.log' -type f -exec echo {} \; -exec cat {}> all.txt \;`
- The all.txt file will contain all time result.

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST REFINEMENTS	Ref: TARIC3-INB-PTP
TEST EXECUTION	

2.4.1. Test cases ‘inb_perf_xxx’

- Send simultaneously (via system-to-system) the XML “client” messages to the Input Bridge interface ;
- From the “Logger”¹, note the time on which the Input Bridge starts the processing of the first “client” message.
- From the “Logger”, note the time on which the Input Bridge ends the processing of the last TARIC3 response message.

2.4.2. Test cases ‘inb_load_xxx’

- Run in loop mode the ant script simulating background activities on TARIC3 for different users.
- Send via system-to-system an XML “client” message to TARIC3 through the input message;
- From the “Logger”, note the time on which the Input Bridge starts the processing of this client message;
- From the “Logger”, note the time on which the Input Bridge ends the processing of the corresponding response message.

2.4.3. Test cases ‘inb_volume_xxx’

- Send via system-to-system several XML client messages with different number of transactions through the Input Bridge;
- For each client message, note from the “Logger” the time on which the Input Bridge starts the processing of this one ;
- From the “Logger”, note the time on which the Input Bridge ends the processing of the corresponding response message.

2.4.4. Test cases ‘inb_perf_impact_xxx’

- Run in loop mode the ant script simulating background activities on the Input Bridge.
- Go into the appropriate TARIC3 screen;
- For each of the operations (insert, update, query and delete), enter the appropriate data;
- Press the “Submit” button and start the timer;
- Wait until the “Success” message is displayed and stop the timer. In the case of a query stop the timer when the query result is displayed.

¹ A Logger is a file which will be used to log all the messages related to the operations performed by the Input Bridge application. The Input Bridge start and end message process time, will be traced and hence retrieved from this Logger.

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST REFINEMENTS	Ref: TARIC3-INB-PTP
PRELIMINARY STEPS	

2.5. Preliminary steps

2.5.1. Creation of the baseline

As mentioned in [\[TARIC3-INB-PTS\]](#), in order to create the baseline each critical and/or priority application action will be performed once and one by one.

Obtained time for each of this action will be reported to become a metric for the performance testing but will never be considered as an acceptance criteria.

For this purpose a client message *inb_baseline_01.xml* will be created and sent 10 times to the Input Bridge. Each time, the response time will be recorded and an average response time will be calculated at the end.

The table below gives a description of the steps which will be followed in order to create a baseline:

<u>Name:</u>	inb_baseline_01
<u>Purpose:</u>	Send one client message 10 times through the Input Bridge Interface and calculate the average response time.
<u>Preconditions:</u>	No background activities are running on TARIC3 and no other operations are being performed on the Input Bridge.
<u>Content:</u>	<p>Step 1: As user [INB1], send the client message <i>inb_baseline_01.xml</i> towards the Input Bridge Interface.</p> <p>Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.</p> <p>Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.</p> <p>Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.</p> <p>Step 5: Repeat 9 times the steps above and calculate the average response time.</p>
<u>Expected output:</u>	<p>Step 1: The client message should be successfully received by the Input Bridge.</p> <p>Step 2: Input Bridge response time T1:</p> <p>Step 3: Input Bridge response time T2:</p> <p>Step 4: Input Bridge response time T3:</p>

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST REFINEMENTS	Ref: TARIC3-INB-PTP
PRELIMINARY STEPS	

- Step 5: Input Bridge response time T4:
- Step 6: Input Bridge response time T5:
- Step 7: Input Bridge response time T6:
- Step 8: Input Bridge response time T7:
- Step 9: Input Bridge response time T8:
- Step 10: Input Bridge response time T9:
- Step 11: Input Bridge response time T10:
- Step 12: Average response time:

2.5.2. Creation of the background activity

Depending on the purpose of the test case, two types of background activities will be defined: TARIC3 CDCO and Input Bridge background activities.

Background TARIC3 CDCO activities

First step:

The main user (who will be the one used by to perform tests as they are described into test cases) launches a first initialization script. The goal of this script is to create reference data and delete all the pending data which might lead to database constraints violations. In other words, this user prepares the database for the other virtual users.

Second step:

In order to simulate background activities of TARIC3 CDCO users, scripts will be created. The purpose of those scripts is to simulate basic CDCO activities which are:

- Insert a role regulation;
- Insert a goods nomenclature;
- Insert a measure (using the goods nomenclature and the regulation which have been previously inserted);
- Update a role regulation (the one which has been previously inserted);
- Update a goods nomenclature(the one which has been previously inserted);
- Update a measure(the one which has been previously inserted);

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST REFINEMENTS	Ref: TARIC3-INB-PTP
PRELIMINARY STEPS	

- Perform a query on regulations in order to obtain above 1000 results;
- Perform a query on goods nomenclatures in order to obtain above 1000 results;
- Perform a query on measures in order to obtain above 1000 results;
- Delete the inserted measure;
- Delete the inserted goods nomenclature;
- Delete the inserted role regulation;

Each script will be simulating background operations performed by a specific user. When several virtual users will be simulated, each user will launch its own script in parallel with others users.

Input Bridge background activities

Concerning the simulation of the Input Bridge background activities, an ant script *INB_BACGRD_TST.xml* will be created. Through this script client messages will be sent in loop by user [INB1] to the Input Bridge. These client messages will contain the following basic operations:

- Insert a role regulation;
- Insert base regulation;
- Insert a goods nomenclature;
- Insert measure;
- Update role regulation (inserted before);
- Update base regulation (inserted before);
- Delete measure (updated before);
- Delete goods nomenclature (updated before);
- Delete base regulation (updated before);
- Delete legal regulation (updated before).

Technology used:

In order to be able to perform this background activity, a combination of “Unix Bourne Shell” scripts (.sh) and Ant files will be created and used. For a complete list of TARIC3 CDCO used files, refer to [Annex 2](#).

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
PERFORMANCE TESTS	

3. TEST CASES

3.1. Performance tests

3.1.1. Test case: inb_perf_01

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: inb_perf_01

Purpose: Send one client message to TARIC3 through the Input Bridge Interface and check the response time.

Related scenario TS001

Preconditions: No background activities are running on TARIC3 application.

Content:

Step 1: As user [INB1], send the client message *inb_perf_01.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client message should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.1.2. Test case: inb_perf_02

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: inb_perf_02

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
PERFORMANCE TESTS	

Purpose: Send simultaneously 2 client messages to TARIC3 through the Input Bridge Interface and check the response time.

Related scenario TS001

Preconditions: No background activities are running on TARIC3 application.

Content:

Step 1: As user [INB1], send simultaneously the client messages *inb_perf_01.xml* and *inb_perf_02.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of *inb_perf_01.xml* “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the “TARIC3 response” message corresponding to *inb_perf_02.xml*.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client messages should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time.

3.1.3. Test case: inb_perf_03

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: inb_perf_03

Purpose: Send simultaneously 3 client messages to TARIC3 through the Input Bridge Interface and check the response time.

Related scenario TS001

Preconditions: No background activities are running on TARIC3 application.

Content:

Step 1: As user [INB1], send simultaneously the following client messages *inb_perf_01.xml*, *inb_perf_02.xml* and *inb_perf_03.xml* towards the

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
PERFORMANCE TESTS	

Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of *inb_perf_01.xml* “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the “TARIC3 response” message corresponding to *inb_perf_03.xml*.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client messages should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.1.4. Test case: *inb_perf_04*

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: *inb_perf_04*

Purpose: Send simultaneously 5 client messages to TARIC3 through the Input Bridge Interface and check the response time.

Related scenario TS001

Preconditions: No background activities are running on TARIC3 application.

Content: Step 1: As user [INB1], send simultaneously the following client messages towards the Input Bridge Interface:

- *inb_perf_01.xml*,
- *inb_perf_02.xml*,
- *inb_perf_03.xml*
- *inb_perf_04.xml*

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
PERFORMANCE TESTS	

○ *inb_perf_05.xml*

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of *inb_perf_01.xml* “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the “TARIC3 response” message corresponding to *inb_perf_05.xml*.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client messages should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.1.5. Test case: *inb_perf_05*

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: *inb_perf_05*

Purpose: Send simultaneously 10 client messages to TARIC3 through the Input Bridge Interface and check the response time.

Related scenario TS001

Preconditions: No background activities are running on TARIC3 application. The message *init_ref_data.xml* loading reference data into TARIC3 database should be successfully processed first.

Content: Step 1: As user [INB1], send simultaneously the following client messages towards the Input Bridge Interface:

○ *inb_perf_01.xml*

○ *inb_perf_02.xml*,

○ *inb_perf_03.xml*

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
PERFORMANCE TESTS	

- *inb_perf_04.xml*
- *inb_perf_05.xml*
- *inb_perf_06.xml*
- *inb_perf_07.xml*
- *inb_perf_08.xml*
- *inb_perf_09.xml*
- *inb_perf_10.xml*

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of *inb_perf_01.xml* “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the “TARIC3 response” message corresponding to *inb_perf_10.xml*.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client messages should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.1.6. Test case: *inb_perf_06*

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: *inb_perf_06*

Purpose: Send simultaneously 15 client messages to TARIC3 through the Input Bridge Interface and check the response time.

Related scenario TS001

Preconditions: No background activities are running on TARIC3 application.

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
PERFORMANCE TESTS	

Content:

- Step 1: As user [INB1], send simultaneously the following client messages towards the Input Bridge Interface:
- *inb_perf_01.xml*,
 - *inb_perf_02.xml*,
 - *inb_perf_03.xml*,
 - *inb_perf_04.xml*
 - *inb_perf_05.xml*,
 - *inb_perf_06.xml*,
 - *inb_perf_07.xml*,
 - *inb_perf_08.xml*,
 - *inb_perf_09.xml*,
 - *inb_perf_10.xml*,
 - *inb_perf_11.xml*,
 - *inb_perf_12.xml*
 - *inb_perf_13.xml*
 - *inb_perf_14.xml*
 - *inb_perf_15.xml*
- Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of *inb_perf_01.xml* “client” message.
- Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the “TARIC3 response” message corresponding to *inb_perf_15.xml*.
- Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

- Step 1: The client messages should be successfully received by the Input Bridge.
- Step 2: Input Bridge “Client message” processing start time:
- Step 3: Input Bridge “TARIC3 response message” processing end time:
- Step 4: Input Bridge response time:

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
LOAD TESTS	

3.2. Load tests

3.2.1. Test case: inb_load_01

Name: inb_load_01

Purpose: Send one client message through the Input Bridge and check the response time, when two users are performing background activities on TARIC3 CDCO.

Related scenario TS002

Preconditions: The ant scripts simulating the background activities of one TARIC3 user should be running in loop mode.

Content:

Step 1: As user [INB1], send the client message *inb_perf_01.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client message should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.2.2. Test case: inb_load_02

Name: inb_load_02

Purpose: Send one client message through the Input Bridge and check the response time, when 3 users are performing background activities on TARIC3.

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
LOAD TESTS	

Related scenario TS002

Preconditions: The ant scripts simulating the background activities of 2 TARIC3 users should be running in loop mode.

Content:

Step 1: As user [INB1], send the client message *inb_perf_01.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client message should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.2.3. Test case: inb_load_03

Name: inb_load_03

Purpose: Send one client message through the Input Bridge and check the response time, when 5 users are performing background activities on TARIC3.

Related scenario TS002

Preconditions: The ant scripts simulating the background activities of 3 TARIC3 users should be running in loop mode.

Content:

Step 1: As user [INB1], send the client message *inb_perf_01.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client”

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
LOAD TESTS	

message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client message should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.2.4. Test case: inb_load_04

Name: inb_load_04

Purpose: Send one client message through the Input Bridge and check the response time, when 10 users are performing background activities on TARIC3.

Related scenario TS002

Preconditions: The ant scripts simulating the background activities of 5 TARIC3 users should be running in loop mode.

Content: Step 1: As user [INB1], send the client message *inb_perf_01.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected Step 1: The client message should be successfully received

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
LOAD TESTS	

- output:** by the Input Bridge.
- Step 2: Input Bridge “Client message” processing start time:
- Step 3: Input Bridge “TARIC3 response message” processing end time:
- Step 4: Input Bridge response time:

3.2.5. Test case: inb_load_05

Name: inb_load_05

Purpose: Send one client message through the Input Bridge and check the response time, when 15 users are performing background activities on TARIC3.

Related scenario TS003

Preconditions: The ant scripts simulating the background activities of 10 TARIC3 users should be running in loop mode.

- Content:**
- Step 1: As user [INB1], send the client message *inb_perf_01.xml* towards the Input Bridge Interface.
- Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.
- Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.
- Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

- Expected output:**
- Step 1: The client message should be successfully received by the Input Bridge.
- Step 2: Input Bridge “Client message” processing start time:
- Step 3: Input Bridge “TARIC3 response message” processing end time:
- Step 4: Input Bridge response time:

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
VOLUME TESTS	

3.2.6. Test case: inb_load_06

Name: inb_load_06

Purpose: Send one client message through the Input Bridge and check the response time, when 20 users are performing background activities on TARIC3.

Related scenario TS003

Preconditions: The ant scripts simulating the background activities of 15 TARIC3 users should be running in loop mode.

Content:

Step 1: As user [INB1], send the client message *inb_perf_01.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client message should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.3. Volume tests

3.3.1. Test case: inb_volume_01

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: inb_volume_01

Purpose: Send a client message with around 30 transactions to TARIC3 through the Input Bridge and check the response time.

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
VOLUME TESTS	

Related scenario TS004

Preconditions: No background activities are running on TARIC3 application.

Content:

Step 1: As user [INB1], send the client message *inb_volume_01.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client message should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.3.2. Test case: inb_volume_02

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: inb_volume_02

Purpose: Send a client message with around 300 transactions to TARIC3 through the Input Bridge and check the response time (this file must be composed of around 50% of correct transactions).

Related scenario TS004

Preconditions: No background activities are running on TARIC3 application.

Content:

Step 1: As user [INB1], send the client message *inb_volume_02.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client”

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
VOLUME TESTS	

message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client message should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.3.3. Test case: inb_volume_03

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: inb_volume_03

Purpose: Send a client message with around 1500 transactions to TARIC3 through the Input Bridge and check the response time (this file must be composed of around 33% of correct transactions).

Related scenario TS005

Preconditions: No background activities are running on TARIC3 application.

Content: Step 1: As user [INB1], send the client message *inb_volume_03.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected Step 1: The client message should be successfully received

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
VOLUME TESTS	

output: by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.3.4. Test case: inb_volume_04

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: inb_volume_04

Purpose: Send a client message with 25000 transactions to TARIC3 through the Input Bridge and check the response time (this file must be composed of around 50% of correct transactions).

Related scenario TS005

Preconditions: No background activities are running on TARIC3 application.

Content:

Step 1: As user [INB1], send the client message *inb_volume_04.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client message should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
VOLUME TESTS	

3.3.5. Test case: inb_volume_05

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: inb_volume_05

Purpose: Send a client message with 25000 transactions to TARIC3 through the Input Bridge and check the response time (this file must be composed of around 2% of correct transactions).

Related scenario TS006

Preconditions: No background activities are running on TARIC3 application.

Content:

Step 1: As user [INB1], send the client message *inb_volume_05.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client message should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

3.3.6. Test case: inb_volume_06

Make sure that the data to be loaded through the Input Bridge does not already exist in the database.

Name: inb_volume_06

Purpose: Send a client message with 25000 transactions to TARIC3 through the Input Bridge and check the response time (this file must be composed of around 50% of correct transactions).

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
VOLUME TESTS	

Related scenario TS006

Preconditions: No background activities are running on TARIC3 application.

Content:

Step 1: As user [INB1], send the client message *inb_volume_06.xml* towards the Input Bridge Interface.

Step 2: Open the “Logger” and note the time on which the Input Bridge starts the processing of this “client” message.

Step 3: Note also from the “Logger” the time on which the Input Bridge ends the processing of the corresponding “TARIC3 response” message.

Step 4: Calculate the Input Bridge response time by making a difference of the times recorded in steps 2 and 3.

Expected output:

Step 1: The client message should be successfully received by the Input Bridge.

Step 2: Input Bridge “Client message” processing start time:

Step 3: Input Bridge “TARIC3 response message” processing end time:

Step 4: Input Bridge response time:

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
TARIC3 PERFORMANCE IMPACT TESTS	

3.4. TARIC3 Performance Impact tests

In order to perform Impact tests, an Input Bridge action must be running in background activity. Volume test can be launched to insure that there is an Input bridge activity in background. To launch Volume test, the following command will be executed through the command line:

```
./start_inb.sh Vol_load
```

3.4.1. Test case: inb_perf_impact_01

Name: inb_perf_impact_01

Purpose: While background activities are running on the Input Bridge, u-insert a goods nomenclature in TARIC3 CDCO and check the response time.

Related scenario TS007

Preconditions: An Input Bridge action must be running in background activity. Volume test can be launched to insure that there is an Input bridge activity in background.

Content:

Step 1: Log on as user [T3_U1]and insert a new goods nomenclature GN1 providing a value for all the fields. Press the “Submit” button and start the timer.

Step 2: Wait until the “Success” message is displayed and stop the timer. Calculate the TARIC3 response time.

Expected output:

Step 1: The goods nomenclature GN1 should be successfully inserted in the database.

Step 2: TARIC3 CDCO response time:

3.4.2. Test case: inb_perf_impact_02

Name: inb_perf_impact_02

Purpose: While background activities are running on the Input Bridge, update a goods nomenclature in TARIC3 CDCO and check the response time.

Related scenario TS007

Preconditions: The ant script *INB_BACGRD_TST_01.xml* simulating the

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
TARIC3 PERFORMANCE IMPACT TESTS	

background activities on the Input Bridge should be running in loop mode.

Content: Step 1: Log on as user [T3_U1]and update goods nomenclature GN1. Press the “Submit” button and start the timer.

Step 2: Wait until the “Success” message is displayed and stop the timer. Calculate the TARIC3 response time.

Expected output: Step 1: The goods nomenclature GN1 should be successfully updated.

Step 2: TARIC3 CDCO response time:

3.4.3. Test case: inb_perf_impact_03

Name: inb_perf_impact_03

Purpose: While background activities are running on the Input Bridge, query a goods nomenclature in TARIC3 CDCO and check the response time.

Related scenario TS007

Preconditions: The ant script *INB_BACGRD_TST_01.xml* simulating the background activities on the Input Bridge should be running in loop mode.

Content: Step 1: Log on as user [T3_U1]and query goods nomenclature GN1 from the database. Press the “Submit” button and start the timer.

Step 2: Wait until the query result is displayed and stop the timer. Calculate the TARIC3 response time.

Expected output: Step 1: The goods nomenclature GN1 should be successfully retrieved from the database.

Step 2: TARIC3 CDCO response time:

3.4.4. Test case: inb_perf_impact_04

Name: inb_perf_impact_04

Purpose: While background activities are running on the Input Bridge delete a goods nomenclature in TARIC3 CDCO and check the response time.

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
TARIC3 PERFORMANCE IMPACT TESTS	

Related scenario TS007

Preconditions: The ant script *INB_BACGRD_TST_01.xml* simulating the background activities on the Input Bridge should be running in loop mode.

Content:

Step 1: Log on as user [T3_U1]and delete goods nomenclature GN1. Press the “Submit” button and start the timer.

Step 2: Wait until the query result is displayed and stop the timer. Calculate the TARIC3 response time.

Expected output:

Step 1: The goods nomenclature GN1 should be successfully deleted from the database.

Step 2: TARIC3 CDCO response time:

3.4.5. Test case: inb_perf_impact_05

Name: inb_perf_impact_05

Purpose: While background activities are running on the Input Bridge, insert a base regulation in TARIC3 CDCO and check the response time.

Related scenario TS007

Preconditions: The ant script *INB_BACGRD_TST_01.xml* simulating the background activities on the Input Bridge should be running in loop mode.

Content:

Step 1: Log on as user [T3_U1]and insert a new base regulation BAS1 in the database. Press the “Submit” button and start the timer.

Step 2: Wait until the “Success” message is displayed and stop the timer. Calculate the TARIC3 response time.

Expected output:

Step 1: The base regulation BAS1 should be successfully inserted in the database.

Step 2: TARIC3 CDCO response time:

3.4.6. Test case: inb_perf_impact_06

Name: inb_perf_impact_06

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
TARIC3 PERFORMANCE IMPACT TESTS	

Purpose: While background activities are running on the Input Bridge, update a base regulation in TARIC3 CDCO and check the response time.

Related scenario TS007

Preconditions: The ant script *INB_BACGRD_TST_01.xml* simulating the background activities on the Input Bridge should be running in loop mode.

Content:

Step 1: Log on as user [T3_U1]update base regulation BAS1. Press the “Submit” button and start the timer.

Step 2: Wait until the “Success” message is displayed and stop the timer. Calculate the TARIC3 response time.

Expected output:

Step 1: The base regulation BAS1 should be successfully inserted in the database.

Step 2: TARIC3 CDCO response time:

3.4.7. Test case: inb_perf_impact_07

Name: inb_perf_impact_07

Purpose: While background activities are running on the Input Bridge, query a base regulation in TARIC3 CDCO and check the response time.

Related scenario TS007

Preconditions: The ant script *INB_BACGRD_TST_01.xml* simulating the background activities on the Input Bridge should be running in loop mode.

Content:

Step 1: Log on as user [T3_U1]query base regulation BAS1 from the database. Press the “Submit” button and start the timer.

Step 2: Wait until the query result is displayed message and stop the timer. Calculate the TARIC3 response time.

Expected output:

Step 1: The base regulation BAS1 should be successfully retrieved from the database.

Step 2: TARIC3 CDCO response time:

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
TARIC3 PERFORMANCE IMPACT TESTS	

3.4.8. Test case: inb_perf_impact_08

<u>Name:</u>	inb_perf_impact_03
<u>Purpose:</u>	While background activities are running on the Input Bridge delete a base regulation in TARIC3 CDCO and check the response time.
<u>Related scenario</u>	TS007
<u>Preconditions:</u>	The ant script <i>INB_BACGRD_TST_01.xml</i> simulating the background activities on the Input Bridge should be running in loop mode.
<u>Content:</u>	<p>Step 1: Log on as user [T3_U1]delete base regulation BAS1. Press the “Submit” button and start the timer.</p> <p>Step 2: Wait until the “Success” message is displayed and stop the timer. Calculate the TARIC3 response time.</p>
<u>Expected output:</u>	<p>Step 1: The base regulation BAS1 should be successfully deleted from the database.</p> <p>Step 2: TARIC3 CDCO response time:</p>

3.4.9. Test case: inb_perf_impact_09

<u>Name:</u>	inb_perf_impact_09
<u>Purpose:</u>	While background activities are running on the Input Bridge, insert a measure in TARIC3 CDCO and check the response time.
<u>Related scenario</u>	TS007
<u>Preconditions:</u>	The ant script <i>INB_BACGRD_TST_01.xml</i> simulating the background activities on the Input Bridge should be running in loop mode.
<u>Content:</u>	<p>Step 1: Log in as user [T3_U1]and insert a new measure MEAS1 in the database. Press the “Submit” button and start the timer.</p> <p>Step 2: Wait until the “Success” message is displayed and stop the timer. Calculate the TARIC3 response time.</p>
<u>Expected output:</u>	Step 1: The measure MEAS1 should be successfully inserted in the database.

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
TARIC3 PERFORMANCE IMPACT TESTS	

Step 2: TARIC3 CDCO response time:

3.4.10. Test case: inb_perf_impact_10

<u>Name:</u>	inb_perf_impact_10
<u>Purpose:</u>	While background activities are running on the Input Bridge, update a measure in TARIC3 CDCO and check the response time.
<u>Related scenario</u>	TS007
<u>Preconditions:</u>	The ant script <i>INB_BACGRD_TST_01.xml</i> simulating the background activities on the Input Bridge should be running in loop mode.
<u>Content:</u>	<p>Step 1: Log in as user [T3_U1]update measure MEAS1 in the database. Press the “Submit” button and start the timer.</p> <p>Step 2: Wait until the “Success” message is displayed and stop the timer. Calculate the TARIC3 response time.</p>
<u>Expected output:</u>	<p>Step 1: The measure should be successfully updated in the database.</p> <p>Step 2: TARIC3 CDCO response time:</p>

3.4.11. Test case: inb_perf_impact_11

<u>Name:</u>	inb_perf_impact_11
<u>Purpose:</u>	While background activities are running on the Input Bridge, query a measure in TARIC3 CDCO and check the response time.
<u>Related scenario</u>	TS007
<u>Preconditions:</u>	The ant script <i>INB_BACGRD_TST_01.xml</i> simulating the background activities on the Input Bridge should be running in loop mode.
<u>Content:</u>	<p>Step 1: Log in as user [T3_U1]and query measure MEAS1 from the database. Press the “Submit” button and start the timer.</p> <p>Step 2: Wait until the query result is displayed and stop the timer. Calculate the TARIC3 response time.</p>
<u>Expected</u>	Step 1: The measure MEAS1 should be successfully

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST CASES	Ref: TARIC3-INB-PTP
TARIC3 PERFORMANCE IMPACT TESTS	

output: retrieved from the database.

Step 2: TARIC3 CDCO response time:

3.4.12. Test case: inb_perf_impact_12

Name: inb_perf_impact_12

Purpose: While background activities are running on the Input Bridge delete a measure in TARIC3 CDCO and check the response time.

Related scenario TS007

Preconditions: The ant script *INB_BACGRD_TST_01.xml* simulating the background activities on the Input Bridge should be running in loop mode.

Content: Step 1: Log on as user [T3_U1]and delete measure MEAS1 from the database. Press the “Submit” button and start the timer.

Step 2: Wait until the message “Success” is displayed and stop the timer. Calculate the TARIC3 response time.

Expected output: Step 1: The measure MEAS1 should be successfully deleted from the database.

Step 2: TARIC3 CDCO response time:

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST REPORT FORM	Ref: TARIC3-INB-PTP
ENVIRONMENT DESCRIPTION	

4. TEST REPORT FORM

4.1. Environment description

Hardware platform	Sun
Operating system	Solaris version
Database (+version)	Database version
Official release number ²	
ClearCase label ³	
Performance test file version	
Execution date	

Table 4: Environment description

4.2. Baseline report

Application action	Measure	Time
Send inb_baseline_01.xml 1 st time	Input Bridge response time T1	
Send inb_baseline_01.xml 2nd time	Input Bridge response time T2	
Send inb_baseline_01.xml 3rd time	Input Bridge response time T3	
Send inb_baseline_01.xml 4th time	Input Bridge response time T4	
Send inb_baseline_01.xml 5th time	Input Bridge response time T5	
Send inb_baseline_01.xml 6th time	Input Bridge response time T6	
Send inb_baseline_01.xml 7th time	Input Bridge response time T7	
Send inb_baseline_01.xml 8th time	Input Bridge response time T8	
Send inb_baseline_01.xml 9th time	Input Bridge response time T9	
Send inb_baseline_01.xml 10 th time	Input Bridge response time T10	
	Average response time	

Table 5: Baseline report

4.3. Test case execution

Test case	Measure	Time
inb_perf_01	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_perf_02	Input Bridge “Client message” processing start time	

² This information must only be filled in for testing of official delivery (e.g. 1.0.0).

³ This information is only available to the development team and identifies the tested internal version.

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST REPORT FORM	Ref: TARIC3-INB-PTP
TEST CASE EXECUTION	

Test case	Measure	Time
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_perf_03	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_perf_04	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_perf_05	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_perf_06	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_load_01	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_load_02	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_load_03	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_load_04	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_load_05	Input Bridge “Client message” processing start time	

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST REPORT FORM	Ref: TARIC3-INB-PTP
TEST CASE EXECUTION	

Test case	Measure	Time
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_load_06	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_volume_01	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_volume_02	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_volume_03	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_volume_04	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_volume_05	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_volume_06	Input Bridge “Client message” processing start time	
	Input Bridge “TARIC3 response message” processing end time	
	Input Bridge response time	
inb_perf_impact_01	TARIC3 CDCO response time	
inb_perf_impact_02	TARIC3 CDCO response time	
inb_perf_impact_03	TARIC3 CDCO response time	
inb_perf_impact_04	TARIC3 CDCO response time	
inb_perf_impact_05	TARIC3 CDCO response time	
inb_perf_impact_06	TARIC3 CDCO response time	

TAXUD/A4 –TARIC3-INB- Performance Test Plan	
TEST REPORT FORM	Ref: TARIC3-INB-PTP
TEST CASE EXECUTION	

Test case	Measure	Time
inb_perf_impact_07	TARIC3 CDCO response time	
inb_perf_impact_08	TARIC3 CDCO response time	
inb_perf_impact_09	TARIC3 CDCO response time	
inb_perf_impact_10	TARIC3 CDCO response time	
inb_perf_impact_11	TARIC3 CDCO response time	
inb_perf_impact_12	TARIC3 CDCO response time	

Table 6: Test report form

TAXUD/A4 – QUOTA2 – Performance Test Plan	
ANNEX 1: COVERAGE TABLE	Ref: TARIC3-INB-PTP

ANNEX 1: COVERAGE TABLE

This annex contains a table that describes the coverage of the different test scenarios by the test cases. The goal is to trace the test scenarios with regard to the test cases and vice versa. The first column of the table contains the reference of the test scenario in the [\[TARIC3-INB-PTS\]](#) document, and the second column the name of the related test case(s).

Test scenario	Test cases
TS001	inb_perf_01
	inb_perf_02
	inb_perf_03
	inb_perf_04
	inb_perf_05
	inb_perf_06
TS002	inb_load_01
	inb_load_02
	inb_load_03
TS003	inb_load_04
	inb_load_05
	inb_load_06
TS004	inb_volume_01
	inb_volume_02
TS005	inb_volume_03
	inb_volume_04
TS006	inb_volume_05
	inb_volume_06
TS007	inb_perf_impact_01
	inb_perf_impact_02
	inb_perf_impact_03
	inb_perf_impact_04
	inb_perf_impact_05
	inb_perf_impact_06
	inb_perf_impact_07
	inb_perf_impact_08
	inb_perf_impact_09
	inb_perf_impact_10
	inb_perf_impact_11
	inb_perf_impact_12

Table 7 Coverage table

TAXUD/A4 – QUOTA2 – Performance Test Plan	
ANNEX 2: TARIC3 BACKGROUND ACTIVITIES	Ref: TARIC3-INB-PTP

ANNEX 2: TARIC3 BACKGROUND ACTIVITIES

File	Purpose
<i>TARIC3_SRV_TST1.xml</i>	Simulate Background activity for the user 1
<i>TARIC3_SRV_TST2.xml</i>	Simulate Background activity for the user 2 Do 10 times: Insert data for user 2 Update data inserted by user 2 Perform X queries Delete data inserted by user 2
<i>TARIC3_SRV_TST3.xml</i>	Simulate Background activity for the user 3 Do 10 times: Insert data for user 3 Update data inserted by user 3 Perform X queries Delete data inserted by user 3
<i>TARIC3_SRV_TST4.xml</i>	Simulate Background activity for the user 4 Do 10 times: Insert data for user 4 Update data inserted by user 4 Perform X queries Delete data inserted by user 4
<i>TARIC3_SRV_TST5.xml</i>	Simulate Background activity for the user 5 Do 10 times: Insert data for user 5 Update data inserted by user 5 Perform X queries Delete data inserted by user 5

TAXUD/A4 – QUOTA2 – Performance Test Plan	
ANNEX 2: TARIC3 BACKGROUND ACTIVITIES	Ref: TARIC3-INB-PTP

File	Purpose
<i>TARIC3_SRV_TST6.xml</i>	<p>Simulate Background activity for the user 6</p> <p>Do 10 times:</p> <ul style="list-style-type: none"> Insert data for user 6 Update data inserted by user 6 Perform X queries Delete data inserted by user 6
<i>TARIC3_SRV_TST7.xml</i>	<p>Simulate Background activity for the user 7</p> <p>Do 10 times:</p> <ul style="list-style-type: none"> Insert data for user 7 Update data inserted by user 7 Perform X queries Delete data inserted by user 7
<i>TARIC3_SRV_TST8.xml</i>	<p>Simulate Background activity for the user 8</p> <p>Do 10 times:</p> <ul style="list-style-type: none"> Insert data for user 8 Update data inserted by user 8 Perform X queries Delete data inserted by user 8
<i>TARIC3_SRV_TST9.xml</i>	<p>Simulate Background activity for the user 9</p> <p>Do 10 times:</p> <ul style="list-style-type: none"> Insert data for user 9 Update data inserted by user 9 Perform X queries Delete data inserted by user 9
<i>TARIC3_SRV_TST10.xml</i>	<p>Simulate Background activity for the user 10</p> <p>Do 10 times:</p> <ul style="list-style-type: none"> Insert data for user 10

File	Purpose
	<p>Update data inserted by user 10</p> <p>Perform X queries</p> <p>Delete data inserted by user 10</p>
<i>TARIC3_SRV_TST11.xml</i>	<p>Simulate Background activity for the user 11</p> <p>Do 10 times:</p> <p> Insert data for user 11</p> <p> Update data inserted by user 11</p> <p> Perform X queries</p> <p> Delete data inserted by user 11</p>
<i>TARIC3_SRV_TST12.xml</i>	<p>Simulate Background activity for the user 12</p> <p>Do 10 times:</p> <p> Insert data for user 12</p> <p> Update data inserted by user 12</p> <p> Perform X queries</p> <p> Delete data inserted by user 12</p>
<i>TARIC3_SRV_TST13.xml</i>	<p>Simulate Background activity for the user 13</p> <p>Do 10 times:</p> <p> Insert data for user 13</p> <p> Update data inserted by user 13</p> <p> Perform X queries</p> <p> Delete data inserted by user 13</p>
<i>TARIC3_SRV_TST14.xml</i>	<p>Simulate Background activity for the user 14</p> <p>Do 10 times:</p> <p> Insert data for user 14</p> <p> Update data inserted by user 14</p> <p> Perform X queries</p> <p> Delete data inserted by user 14</p>
<i>TARIC3_SRV_TST15.ml</i>	<p>Simulate Background activity for the user 15</p>

File	Purpose
	Do 10 times: <ul style="list-style-type: none"> Insert data for user 15 Update data inserted by user 15 Perform X queries Delete data inserted by user 15
<i>TARIC3_SRV_TST16.xml</i>	Simulate Background activity for the user 16 Do 10 times: <ul style="list-style-type: none"> Insert data for user 16 Update data inserted by user 16 Perform X queries Delete data inserted by user 16
<i>TARIC3_SRV_TST17.xml</i>	Simulate Background activity for the user 17 Do 10 times: <ul style="list-style-type: none"> Insert data for user 17 Update data inserted by user 17 Perform X queries Delete data inserted by user 17
<i>TARIC3_SRV_TST18.xml</i>	Simulate Background activity for the user 18 Do 10 times: <ul style="list-style-type: none"> Insert data for user 18 Update data inserted by user 18 Perform X queries Delete data inserted by user 18
<i>TARIC3_SRV_TST19.xml</i>	Simulate Background activity for the user 19 Do 10 times: <ul style="list-style-type: none"> Insert data for user 19 Update data inserted by user 19 Perform X queries

TAXUD/A4 – QUOTA2 – Performance Test Plan	
ANNEX 2: TARIC3 BACKGROUND ACTIVITIES	Ref: TARIC3-INB-PTP

File	Purpose
	Delete data inserted by user 19
<i>TARIC3_SRV_TST20.xml</i>	Simulate Background activity for the user 20 Do 10 times: Insert data for user 20 Update data inserted by user 20 Perform X queries Delete data inserted by user 20
<i>TARIC3_SRV_TST21.xml</i>	Simulate Background activity for the user 21 Do 10 times: Insert data for user 21 Update data inserted by user 21 Perform X queries Delete data inserted by user 21

Table 8 TARIC3 CDCO Background activities