

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
	Ref: TARIC3-MAU-PTP

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## 1. INTRODUCTION

### 1.1. Objective of this document

This document describes the test cases that define the testing activities for the 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 scenarios required to comprehensively test the Mass Update 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-MAU system is tested.

### 1.4. Intended audience

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

### 1.5. Abbreviations and acronyms

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

**Table 1: Abbreviations and acronyms**

### 1.6. Reference documents

TARIC3-MAU-UIS	TARIC3 – Mass Update – User Interface Specification, ref. TARIC3-MAU-UIS, version 1.00
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**Table 2: Reference documents**

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**1.7. Applicable documents**

TARIC3-MAU-PTS	TARIC3 –Mass Update – Performance Test Scenarios, ref. TARIC3-MAU-PTS, version 0.01
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**Table 3: Applicable documents**

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## 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 [\[TARIC3-MAU-PTS\]](#). 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:

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

### 2.2. Test data set

#### 2.2.1. User data set

The following user having all the rights applicable for a DG TAXUD user must be defined:

T3-U01, T3-U02, T3-U03, T3-U04, T3-U05, T3-U06,  
T3-U07, T3-U08, T3-U09, T3-U10, T3-U11, T3-U12,  
T3-U13, T3-U14, T3-U15, T3-U16, T3-U17, T3-U18,  
T3-U19, T3-U20, T3-U21

Please note that for all users, the password must be identical to the user id.

#### 2.2.2. TARIC reference data set

A copy of the TARIC production database will be used as TARIC3 reference data set, in order to have full control of the contents of this data set.

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### 2.2.3. TARIC MAU action volumes

In Mass Updates satellite application, available actions can have different impact volumes.

The volume will depend on the kind of Mass Update used, the volume of data in the database and on the criteria used. For each one of the Mass Update action, criteria are available to specify the volume of data which will be impacted by the action. By using restricting criteria or large impacting criteria, it is possible to impact different volumes:

Three kinds of TARIC3 MAU activity volumes are defined:

- **Low volume:** each performed MAU actions should impact above 500 data.
- **Medium volume:** each performed MAU actions should impact above 5000 data.
- **Huge volume:** each performed MAU actions should impact above 10000 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.

Some tests need to simulate a background activity. This background activity will be simulated through a script. This background activity will be described in part 2.5.3 of this document.

## 2.4. Test execution

### 2.4.1. Test cases ‘Perf\_xxx’

- Go into the appropriate screen;
- Enter the appropriate request criteria;
- Press the “Submit” button and start the timer;
- Wait until the result of the query is displayed, and stop the timer.

### 2.4.2. Test cases ‘Load\_xxx’

- Start the script simulating the TARIC3 CDCO background activity
- Go into the appropriate screen;
- Enter the appropriate request criteria;
- Press the “Submit” button and start the timer;
- Wait until the result of the query is displayed, and stop the timer.

### 2.4.3. Test cases ‘Vol\_xxx’

- Go into the appropriate screen;

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- Enter the appropriate request criteria;
- Press the “Submit” button and start the timer;
- Wait until the result of the query is displayed, and stop the timer.

#### 2.4.4. Test cases ‘Imp\_xxx’

- Start the script simulating the TARIC3 MAU background activity
- Go into the appropriate screen;
- Enter the appropriate request criteria;
- Press the “Submit” button and start the timer;
- Wait until the result of the query is displayed, and stop the timer.

### 2.5. Preliminary steps

#### 2.5.1. Defining the baseline actions

As mentioned in [[TARIC3-MAU-PTS](#)] a baseline will be created which will be used to compare with the execution results of the different test cases described hereafter. In order to create the baseline each critical and/or priority application action [[see Table 4](#)] will be performed 4 times independent of each other. The obtained time for each of these actions will be reported to become a metric for the performance testing, but it will never be considered as an acceptance criteria.

For each of the MAU actions a medium volume will be used. The below table lists the used actions to determine the baseline:

Perform “calculate impact Copy measures” action in order to impact about 1000 measures.
Perform “Copy measures” action in order to impact about 1000 measures.
Perform “calculate impact update measures” action in order to impact above 1000 measures.
Perform “update measures” action in order to impact above 1000 measures.
Perform “calculate impact release unstable measures” action in order to impact above 1000 measures.
Perform “release unstable measures” action in order to impact above 1000 measures.
Perform “calculate impact release unstable goods nomenclature” action in order to impact above 1000 goods nomenclatures.
Perform “release unstable goods nomenclature” action in order to impact above 1000 goods nomenclatures.
Perform “calculate impact regulation replacement” action in order to impact above 1000 regulations.
Perform “regulation replacement” action in order to impact above 1000 regulations.
Perform “calculate impact close a nomenclature goods code” action in order to impact above 1000 goods code.
Perform “close a nomenclature goods code” action in order to impact above 1000 goods code.

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Perform “calculate impact delete measures” action in order to impact above 1000 measures.
Perform “delete measures” action in order to impact above 1000 measures.
Perform “calculate impact transfer measure for a regulation” action in order to impact above 1000 measures.
Perform “transfer measure for a regulation” action in order to impact above 1000 measures.
Perform “calculate impact transfer measures for a goods code” action in order to impact above 1000 measures.
Perform “transfer measures for a goods code” action in order to impact above 1000 measures.
Perform “calculate impact copy measures for a regulation” action in order to impact above 1000 measures.
Perform “copy measures for a regulation” action in order to impact above 1000 measures.
Perform “calculate impact deabrogation of a base regulation” action in order to impact above 1000 measures.
Perform “deabrogation of a base regulation” action in order to impact above 1000 measures.
Perform “calculate impact deabrogation of a modification regulation” action in order to impact above 1000 measures.
Perform “deabrogation of a modification” regulation action in order to impact above 1000 measures.
Perform “calculate impact exclusion of countries” action in order to impact above 1000 measures.
Perform “exclusion of countries” action in order to impact above 1000 measures.
Perform “calculate impact prepare the database for a new language” once.
Perform “prepare the database for a new language” once.
Perform “calculate impact close measures for a goods code” action in order to impact above 1000 measures.
Perform “close measures for a goods code” action in order to impact above 1000 measures.
Perform “calculate impact copy measures for a goods code” action in order to impact above 1000 measures.
Perform “copy measures for a goods code” action in order to impact above 1000 measures.
Perform “calculate impact delete unstable records” action once.
Perform “delete unstable records” action once.
Perform “calculate impact create preferential measures” action once.
Perform “create preferential measures” action once.
Perform “calculate impact close measures” action in order to impact above 1000 measures.
Perform “close measures” action in order to impact above 1000 measures.

**Table 4: Baseline actions**

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### 2.5.2. Creation of the baseline

The baseline will be set by executing and measuring the 40 baseline actions from [table 4]. For each of these actions the following steps should be executed 4 times while there is no background activity:

- Log into the CDCO;
- Request in the “Batch job create” screen the report;
- Search for the above request in the “Batch job query” screen;
- View the details of the request;
- Log the timestamps for the “Requested start time”, “Start time” and “End time”;
- Calculate the time to generate the report (“End time” minus “Start time”);
- Calculate the time to handle the request (“Start time” minus “Requested start time”).

When all the measurements are gathered, the baseline range for each of the 40 baseline actions can be computed by executing the next steps:

- Calculate the average ( $\bar{x}$ ) for each baseline action with following formula:

$$\bar{x} = \frac{x_1 + x_2 + \dots + x_N}{N} = \frac{1}{N} \sum_{i=1}^N x_i .$$

where  $x_i$  represents the obtained time measurement, and N the sample size of each baseline action.

For example, assume the measurements for baseline action 1:

- execution 1: generation time measured = 1.21;
- execution 2: generation time measured = 1.16;
- execution 3: generation time measured = 1.59;
- execution 4: generation time measured = 1.19.

In this case  $\bar{x}$  is the average of {1.21, 1.16, 1.59, 1.19} and N is 4.

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- Calculate the standard deviation to know how widely values are dispersed from the average value:

$$\sigma = \sqrt{\frac{1}{N} \sum_{i=1}^N (x_i - \bar{x})^2}$$

where  $\bar{x}$  is the arithmetic mean of the values  $x_i$  and N is the sample size of each baseline action.

- Calculate the baseline range:

The baseline range is a 2 boundaries range. This means that all measured times obtained in the same kind of conditions are expected to be included into this range of values:

$$[\text{Low baseline boundary}; \text{Upper baseline boundary}] = [\bar{x} - \sigma; \bar{x} + \sigma]$$

### 2.5.3. 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

This background activity is split in two steps:

##### First step:

The main user (who will be the one used by the tester to perform tests as they are described into test cases) launches a first initialization script. The goal of this script is to prepare the database for the others virtual users. Through this script all the needed reference data are created.

Once this script has been launched, the user is able to perform his test cases manually through the user interface.

##### 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);

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- Update a goods nomenclature(the one which has been previously inserted);
- Update a measure(the one which has been previously inserted);
- 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.

#### Background TARIC3 MAU activities

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

- Calculate Impact of Copy measures;
- Copy measures;
- Calculate Impact of Update measures;
- Update measures;
- Calculate Impact of Transfer Measures for a Regulation;
- Transfer Measures for a Regulation;
- Calculate Impact of Deabrogation of a Base Regulation;
- Deabrogation of a Base Regulation;
- Calculate Impact of Delete Measures;
- Delete Measures.

Each script will be simulating background operations performed by a specific user.

#### Technologies 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 the complete list of used files, refer to [\[Annex 2\]](#).

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### 3. TEST CASES

The data sets to be used are described at the beginning of each chapter. This data set can be enlarged or reduced if required.

#### 3.1. Performance Test

**Test case n°:** Perf\_001

**Purpose:** Assess the performance of the MAU application when no background activity is simulated.

**Related scenario:** TS001

**Precondition:** User to use: **T3-U01**

**Content:** **Calculate Impact of Copy measures 1:**  
Perform “calculate impact Copy measures” action in order to impact about 1000 measures.

**Copy measures 1:**  
Perform “Copy measures” action in order to impact about 1000 measures.

**Calculate Impact of Update measures 1:**  
Perform “calculate impact update measures” action in order to impact above 1000 measures.

**Update measures 1:**  
Perform “update measures” action in order to impact above 1000 measures.

**Calculate Impact of Release Unstable Measures 1:**  
Perform “calculate impact release unstable measures” action in order to impact above 1000 measures.

**Release Unstable Measures 1:**  
Perform “release unstable measures” action in order to impact above 1000 measures.

**Calculate Impact of Release Unstable Goods Nomenclature 1:**  
Perform “calculate impact release unstable goods nomenclature” action in order to impact above 1000 goods nomenclatures.

**Release Unstable Goods Nomenclature 1:**  
Perform “release unstable goods nomenclature” action in order to impact above 1000 goods nomenclatures.

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**Calculate Impact of Regulation Replacement 1:**

Perform “calculate impact regulation replacement” action in order to impact above 1000 regulations.

**Regulation Replacement 1:**

Perform “regulation replacement” action in order to impact above 1000 regulations.

**Calculate Impact of Close a Nomenclature Goods Code 1:**

Perform “calculate impact close a nomenclature goods code” action in order to impact above 1000 goods code.

**Close a Nomenclature Goods Code 1:**

Perform “close a nomenclature goods code” action in order to impact above 1000 goods code.

**Calculate Impact of Delete Measures 1:**

Perform “calculate impact delete measures” action in order to impact above 1000 measures.

**Delete Measures 1:**

Perform “delete measures” action in order to impact above 1000 measures.

**Calculate Impact of Transfer Measures for a Regulation 1:**

Perform “calculate impact transfer measure for a regulation” action in order to impact above 1000 measures.

**Transfer Measures for a Regulation 1:**

Perform “transfer measure for a regulation” action in order to impact above 1000 measures.

**Calculate Impact of Transfer Measures for a Goods Code 1:**

Perform “calculate impact transfer measures for a goods code” action in order to impact above 1000 measures.

**Transfer Measures for a Goods Code 1:**

Perform “transfer measures for a goods code” action in order to impact above 1000 measures.

**Calculate Impact of Copy Measures for a Regulation 1:**

Perform “calculate impact copy measures for a regulation” action in order to impact above 1000 measures.

**Copy Measures for a Regulation 1:**

Perform “copy measures for a regulation” action in order to impact above 1000 measures.

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**Calculate Impact of Deabrogation of a Base Regulation 1:**

Perform “calculate impact deabrogation of a base regulation” action in order to impact above 1000 measures.

**Deabrogation of a Base Regulation 1:**

Perform “deabrogation of a base regulation” action in order to impact above 1000 measures.

**Calculate Impact of Deabrogation of a Modification Regulation 1:**

Perform “calculate impact deabrogation of a modification regulation” action in order to impact above 1000 measures.

**Deabrogation of a Modification Regulation 1:**

Perform “deabrogation of a modification” regulation action in order to impact above 1000 measures.

**Calculate Impact of Exclusion of Countries 1:**

Perform “calculate impact exclusion of countries” action in order to impact above 1000 measures.

**Exclusion of Countries 1:**

Perform “exclusion of countries” action in order to impact above 1000 measures.

**Calculate Impact of Prepare the Database for a New Language 1:**

Perform “calculate impact prepare the database for a new language” once.

**Prepare the Database for a New Language 1:**

Perform “prepare the database for a new language” once.

**Calculate Impact of Close Measures for a Goods code 1:**

Perform “calculate impact close measures for a goods code” action in order to impact above 1000 measures.

**Close Measures for a Goods code 1:**

Perform “close measures for a goods code” action in order to impact above 1000 measures.

**Calculate Impact of Copy Measures for a Goods Code 1:**

Perform “calculate impact copy measures for a goods code” action in order to impact above 1000 measures.

**Copy Measures for a Goods Code 1:**

Perform “copy measures for a goods code” action in order to impact above 1000 measures.

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**Calculate Impact of Delete Unstable Records 1:**

Perform “calculate impact delete unstable records” action once.

**Delete Unstable Records 1:**

Perform “delete unstable records” action once.

**Calculate Impact of Create Preferential Measures 1:**

Perform “calculate impact create preferential measures” action once.

**Create Preferential Measures 1:**

Perform “create preferential measures” action once.

**Calculate Impact of Close Measures 1:**

Perform “calculate impact close measures” action in order to impact above 1000 measures.

**Close Measures 1:**

Perform “close measures” action in order to impact above 1000 measures.

**Expected output:**

Action accepted and time taken to perform "Calculate Impact of Copy measures 1".

Action accepted and time taken to perform "Copy measures 1".

Action accepted and time taken to perform "Calculate Impact of Update measures 1".

Action accepted and time taken to perform “Update measures 1”.

Action accepted and time taken to perform "Calculate Impact of Release Unstable Measures 1".

Action accepted and time taken to perform "Release Unstable Measures 1".

Action accepted and time taken to perform "Calculate Impact of Release Unstable Goods Nomenclature 1".

Action accepted and time taken to perform "Release Unstable Goods Nomenclature 1".

Action accepted and time taken to perform "Calculate Impact of Regulation Replacement 1".

Action accepted and time taken to perform "Regulation Replacement 1".

Action accepted and time taken to perform "Calculate Impact

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of Close a Nomenclature Goods Code 1".

Action accepted and time taken to perform "Close a Nomenclature Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Delete Measures 1".

Action accepted and time taken to perform "Delete Measures 1".

Action accepted and time taken to perform "Calculate Impact of Transfer Measures for a Regulation 1".

Action accepted and time taken to perform "Transfer Measures for a Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Transfer Measures for a Goods Code 1".

Action accepted and time taken to perform "Transfer Measures for a Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Copy Measures for a Regulation 1".

Action accepted and time taken to perform "Copy Measures for a Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Deabrogation of a Base Regulation 1".

Action accepted and time taken to perform "Deabrogation of a Base Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Deabrogation of a Modification Regulation 1".

Action accepted and time taken to perform "Deabrogation of a Modification Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Exclusion of Countries 1".

Action accepted and time taken to perform "Exclusion of Countries 1".

Action accepted and time taken to perform "Calculate Impact of Prepare the Database for a New Language 1".

Action accepted and time taken to perform "Prepare the Database for a New Language 1".

Action accepted and time taken to perform "Calculate Impact of Close Measures for a Goods code 1".

Action accepted and time taken to perform "Close Measures

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for a Goods code 1".

Action accepted and time taken to perform "Calculate Impact of Copy Measures for a Goods Code 1".

Action accepted and time taken to perform "Copy Measures for a Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Delete Unstable Records 1".

Action accepted and time taken to perform "Delete Unstable Records 1".

Action accepted and time taken to perform "Create Preferential Measures 1".

Action accepted and time taken to perform "Calculate Impact of Close Measures 1".

Action accepted and time taken to perform "Close Measures 1".

**Test case n°:** Perf\_002

**Purpose:** Assess the performance of the MAU application when no background activity is simulated.

**Related scenario:** TS001

**Precondition:** User to use: **T3-U01**

**Content:**

**Test 1:**  
Launch the two following Mass Update actions at the same time:

- Perform “Copy measures” action in order to impact about 1000 measures.
- Perform “release unstable measures” action in order to impact above 1000 measures.

**Test 2:**  
Launch the two following Mass Update actions at the same time:

- Perform “Copy measures” action in order to impact about 1000 measures.
- Perform “delete measures” action in order to impact above 1000 measures.

**Test 3:**  
Launch the two following Mass Update actions at the same time:

- Perform “Copy measures” action in order to impact

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about 1000 measures.

- Perform “transfer measures for a goods code” action in order to impact above 1000 measures.

**Test 4:**

Launch the two following Mass Update actions at the same time:

- Perform “Copy measures” action in order to impact about 1000 measures.
- Perform “deabrogation of a base regulation” action in order to impact above 1000 measures.

**Expected output:**

Action accepted and time taken to perform "Test 1".

Action accepted and time taken to perform "Test 2".

Action accepted and time taken to perform "Test 3".

Action accepted and time taken to perform "Test 4".

**Test case n°:**

Perf\_003

**Purpose:**

Assess the performance of the MAU application when no background activity is simulated.

**Related scenario:**

TS001

**Precondition:**

User to use: **T3-U01**

**Content:**

**Test 1:**

Launch the three following Mass Update actions at the same time:

- Perform “Copy measures” action in order to impact about 1000 measures.
- Perform “transfer measure for a regulation” action in order to impact above 1000 measures.
- Perform “transfer measures for a goods code” action in order to impact above 1000 measures.

**Test 2:**

Launch the three following Mass Update actions at the same time:

- Perform “Copy measures” action in order to impact about 1000 measures.
- Perform “release unstable measures” action in order to impact above 1000 measures.
- Perform “transfer measure for a regulation” action in order to impact above 1000 measures.

**Test 3:**

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Launch the three following Mass Update actions at the same time:

- Perform “Copy measures” action in order to impact about 1000 measures.
- Perform “deabrogation of a base regulation” action in order to impact above 1000 measures.
- Perform “exclusion of countries” action in order to impact above 1000 measures.

**Expected output:**

Action accepted and time taken to perform "Test 1".

Action accepted and time taken to perform "Test 2".

Action accepted and time taken to perform "Test 3".

**Test case n°:**

Perf\_004

**Purpose:**

Assess the performance of the MAU application when no background activity is simulated.

**Related scenario:**

TS001

**Precondition:**

User to use: **T3-U01**

**Content:**

**Test 1:**

Launch the five following Mass Update actions at the same time:

- Perform “Copy measures” action in order to impact about 1000 measures.
- Perform “release unstable measures” action in order to impact above 1000 measures.
- Perform “transfer measures for a goods code” action in order to impact above 1000 measures.
- Perform “regulation replacement” action in order to impact above 1000 regulations.
- Perform “close measures” action in order to impact above 1000 measures.

**Test 2:**

Launch the five following Mass Update actions at the same time:

- Perform “Copy measures” action in order to impact about 1000 measures.
- Perform “release unstable measures” action in order to impact above 1000 measures.
- Perform “transfer measures for a goods code” action in order to impact above 1000 measures.
- Perform “regulation replacement” action in order to impact above 1000 regulations.
- Perform “close a nomenclature goods code” action in

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order to impact above 1000 goods code.

**Expected output:** Action accepted and time taken to perform "Test 1".  
Action accepted and time taken to perform "Test 2".

### 3.2. Load Test

#### 3.2.1. Normal Load Condition

**Test case n°:** Load\_001

**Purpose:** Assess the performance of the MAU application when 2 users are performing TARIC3 actions in background.

**Related scenario:** TS002

**Precondition:** User to use: **T3-U01**  
Virtual background user to use: **T3-U02**

**Content:** Perform the same test as those describe in test case “Perf\_001” with 2 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_001”.

**Test case n°:** Load\_002

**Purpose:** Assess the performance of the MAU application when 2 users are performing TARIC3 actions in background.

**Related scenario:** TS002

**Precondition:** User to use: **T3-U01**  
Virtual background user to use: **T3-U02**

**Content:** Perform the same test as those describe in test case “Perf\_002” with 2 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_002”.

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<b><u>Test case n°:</u></b>	Load_003
<b><u>Purpose:</u></b>	Assess the performance of the MAU application when 2 users are performing TARIC3 actions in background.
<b><u>Related scenario:</u></b>	TS002
<b><u>Precondition:</u></b>	User to use: <b>T3-U01</b> Virtual background user to use: <b>T3-U02</b>
<b><u>Content:</u></b>	Perform the same test as those describe in test case “Perf_003” with 2 users performing TARIC3 actions in background.
<b><u>Expected output:</u></b>	Same expected outputs as for test case “Perf_003”.
<b><u>Test case n°:</u></b>	Load_004
<b><u>Purpose:</u></b>	Assess the performance of the MAU application when 2 users are performing TARIC3 actions in background.
<b><u>Related scenario:</u></b>	TS002
<b><u>Precondition:</u></b>	User to use: <b>T3-U01</b> Virtual background user to use: <b>T3-U02</b>
<b><u>Content:</u></b>	Perform the same test as those describe in test case “Perf_004” with 2 users performing TARIC3 actions in background.
<b><u>Expected output:</u></b>	Same expected outputs as for test case “Perf_004”.
<b><u>Test case n°:</u></b>	Load_005
<b><u>Purpose:</u></b>	Assess the performance of the MAU application when 3 users are performing TARIC3 actions in background.
<b><u>Related scenario:</u></b>	TS002
<b><u>Precondition:</u></b>	User to use: <b>T3-U01</b> Virtual background users to use: <b>T3-U02; T3-U03</b>
<b><u>Content:</u></b>	Perform the same test as those describe in test case “Perf_001” with 3 users performing TARIC3 actions in

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background.

**Expected output:** Same expected outputs as for test case “Perf\_001”.

**Test case n°:** Load\_006

**Purpose:** Assess the performance of the MAU application when 3 users are performing TARIC3 actions in background.

**Related scenario:** TS002

**Precondition:** User to use: **T3-U01**

Virtual background users to use: **T3-U02; T3-U03**

**Content:** Perform the same test as those describe in test case “Perf\_002” with 3 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_002”.

**Test case n°:** Load\_007

**Purpose:** Assess the performance of the MAU application when 3 users are performing TARIC3 actions in background.

**Related scenario:** TS002

**Precondition:** User to use: **T3-U01**

Virtual background users to use: **T3-U02; T3-U03**

**Content:** Perform the same test as those describe in test case “Perf\_003” with 3 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_003”.

**Test case n°:** Load\_008

**Purpose:** Assess the performance of the MAU application when 3 users are performing TARIC3 actions in background.

**Related** TS002

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**scenario:**

- Precondition:** User to use: **T3-U01**  
Virtual background users to use: **T3-U02; T3-U03**
- Content:** Perform the same test as those describe in test case “Perf\_004” with 3 users performing TARIC3 actions in background.
- Expected output:** Same expected outputs as for test case “Perf\_004”.
- Test case n°:** Load\_009
- Purpose:** Assess the performance of the MAU application when 5 users are performing TARIC3 actions in background.
- Related scenario:** TS002
- Precondition:** User to use: **T3-U01**  
Virtual background users to use: **T3-U02; T3-U03; T3-U04**
- Content:** Perform the same test as those describe in test case “Perf\_001” with 5 users performing TARIC3 actions in background.
- Expected output:** Same expected outputs as for test case “Perf\_001”.
- Test case n°:** Load\_010
- Purpose:** Assess the performance of the MAU application when 5 users are performing TARIC3 actions in background.
- Related scenario:** TS002
- Precondition:** User to use: **T3-U01**  
Virtual background users to use: **T3-U02; T3-U03; T3-U04**
- Content:** Perform the same test as those describe in test case “Perf\_002” with 5 users performing TARIC3 actions in background.
- Expected output:** Same expected outputs as for test case “Perf\_002”.

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<b><u>Test case n°:</u></b>	Load_011
<b><u>Purpose:</u></b>	Assess the performance of the MAU application when 5 users are performing TARIC3 actions in background.
<b><u>Related scenario:</u></b>	TS002
<b><u>Precondition:</u></b>	User to use: <b>T3-U01</b>  Virtual background users to use: <b>T3-U02; T3-U03; T3-U04</b>
<b><u>Content:</u></b>	Perform the same test as those describe in test case “Perf_003” with 5 users performing TARIC3 actions in background.
<b><u>Expected output:</u></b>	Same expected outputs as for test case “Perf_003”.
<b><u>Test case n°:</u></b>	Load_012
<b><u>Purpose:</u></b>	Assess the performance of the MAU application when 5 users are performing TARIC3 actions in background.
<b><u>Related scenario:</u></b>	TS002
<b><u>Precondition:</u></b>	User to use: <b>T3-U01</b>  Virtual background users to use: <b>T3-U02; T3-U03; T3-U04</b>
<b><u>Content:</u></b>	Perform the same test as those describe in test case “Perf_004” with 5 users performing TARIC3 actions in background.
<b><u>Expected output:</u></b>	Same expected outputs as for test case “Perf_004”.
<b><u>Test case n°:</u></b>	Load_013
<b><u>Purpose:</u></b>	Assess the performance of the MAU application when 10 users are performing TARIC3 actions in background.
<b><u>Related scenario:</u></b>	TS002
<b><u>Precondition:</u></b>	User to use: <b>T3-U01</b>  Virtual background user to use: <b>T3-U02; T3-U03; T3-U04;</b>

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**T3-U05; T3-U06**

**Content:** Perform the same test as those describe in test case “Perf\_001” with 10 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_001”.

**Test case n°:** Load\_014

**Purpose:** Assess the performance of the MAU application when 10 users are performing TARIC3 actions in background.

**Related scenario:** TS002

**Precondition:** User to use: **T3-U01**  
Virtual background user to use: **T3-U02; T3-U03; T3-U04; T3-U05; T3-U06**

**Content:** Perform the same test as those describe in test case “Perf\_002” with 10 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_002”.

**Test case n°:** Load\_015

**Purpose:** Assess the performance of the MAU application when 10 users are performing TARIC3 actions in background.

**Related scenario:** TS002

**Precondition:** User to use: **T3-U01**  
Virtual background user to use: **T3-U02; T3-U03; T3-U04; T3-U05; T3-U06**

**Content:** Perform the same test as those describe in test case “Perf\_003” with 10 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_003”.

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**Test case n°:** Load\_016

**Purpose:** Assess the performance of the MAU application when 10 users are performing TARIC3 actions in background.

**Related scenario:** TS002

**Precondition:** User to use: **T3-U01**  
Virtual background user to use: **T3-U02; T3-U03; T3-U04; T3-U05; T3-U06**

**Content:** Perform the same test as those describe in test case “Perf\_004” with 10 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_004”.

### 3.2.2. Heavy Load Condition

#### 3.2.2.1. Background Taric3 CDCO activity

**Test case n°:** Load\_017

**Purpose:** Assess the performance of the MAU application when 15 users are performing TARIC3 actions in background.

**Related scenario:** TS003

**Precondition:** User to use: **T3-U01**  
Virtual background user to use: **T3-U02; T3-U03; T3-U04; T3-U05; T3-U06; T3-U07; T3-U08; T3-U09; T3-U10; T3-U11; T3-U12; T3-U13; T3-U14; T3-U15; T3-U16**

**Content:** Perform the same test as those describe in test case “Perf\_001” with 15 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_001”.

**Test case n°:** Load\_018

**Purpose:** Assess the performance of the MAU application when 15 users are performing TARIC3 actions in background.

**Related** TS003

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**scenario:**

**Precondition:** User to use: **T3-U01**  
  
Virtual background user to use: **T3-U02; T3-U03; T3-U04; T3-U05; T3-U06; T3-U07; T3-U08; T3-U09; T3-U10; T3-U11; T3-U12; T3-U13; T3-U14; T3-U15; T3-U16**

**Content:** Perform the same test as those describe in test case “Perf\_002” with 15 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_002”.

**Test case n°:** Load\_019

**Purpose:** Assess the performance of the MAU application when 15 users are performing TARIC3 actions in background.

**Related scenario:** TS003

**Precondition:** User to use: **T3-U01**  
  
Virtual background user to use: **T3-U02; T3-U03; T3-U04; T3-U05; T3-U06; T3-U07; T3-U08; T3-U09; T3-U10; T3-U11; T3-U12; T3-U13; T3-U14; T3-U15; T3-U16**

**Content:** Perform the same test as those describe in test case “Perf\_003” with 15 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_003”.

**Test case n°:** Load\_020

**Purpose:** Assess the performance of the MAU application when 15 users are performing TARIC3 actions in background.

**Related scenario:** TS003

**Precondition:** User to use: **T3-U01**  
  
Virtual background user to use: **T3-U02; T3-U03; T3-U04; T3-U05; T3-U06; T3-U07; T3-U08; T3-U09; T3-U10; T3-U11; T3-U12; T3-U13; T3-U14; T3-U15; T3-U16**

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**Content:** Perform the same test as those describe in test case “Perf\_004” with 15 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_004”.

**Test case n°:** Load\_021

**Purpose:** Assess the performance of the MAU application when 20 users are performing TARIC3 actions in background.

**Related scenario:** TS003

**Precondition:** User to use: **T3-U01**  
Virtual background user to use: **T3-U02; T3-U03; T3-U04; T3-U05; T3-U06; T3-U07; T3-U08; T3-U09; T3-U10; T3-U11; T3-U12; T3-U13; T3-U14; T3-U15; T3-U16; T3-U17; T3-U18; T3-U19; T3-U20; T3-U21**

**Content:** Perform the same test as those describe in test case “Perf\_001” with 20 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_001”.

**Test case n°:** Load\_022

**Purpose:** Assess the performance of the MAU application when 20 users are performing TARIC3 actions in background.

**Related scenario:** TS003

**Precondition:** User to use: **T3-U01**  
Virtual background user to use: **T3-U02; T3-U03; T3-U04; T3-U05; T3-U06; T3-U07; T3-U08; T3-U09; T3-U10; T3-U11; T3-U12; T3-U13; T3-U14; T3-U15; T3-U16; T3-U17; T3-U18; T3-U19; T3-U20; T3-U21**

**Content:** Perform the same test as those describe in test case “Perf\_002” with 20 users performing TARIC3 actions in background.

**Expected output:** Same expected outputs as for test case “Perf\_002”.

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<b><u>Test case n°:</u></b>	Load_023
<b><u>Purpose:</u></b>	Assess the performance of the MAU application when 20 users are performing TARIC3 actions in background.
<b><u>Related scenario:</u></b>	TS003
<b><u>Precondition:</u></b>	User to use: <b>T3-U01</b>  Virtual background user to use: <b>T3-U02; T3-U03; T3-U04; T3-U05; T3-U06; T3-U07; T3-U08; T3-U09; T3-U10; T3-U11; T3-U12; T3-U13; T3-U14; T3-U15; T3-U16; T3-U17; T3-U18; T3-U19; T3-U20; T3-U21</b>
<b><u>Content:</u></b>	Perform the same test as those describe in test case “Perf_003” with 20 users performing TARIC3 actions in background.
<b><u>Expected output:</u></b>	Same expected outputs as for test case “Perf_003”.
<b><u>Test case n°:</u></b>	Load_024
<b><u>Purpose:</u></b>	Assess the performance of the MAU application when 20 users are performing TARIC3 actions in background.
<b><u>Related scenario:</u></b>	TS003
<b><u>Precondition:</u></b>	User to use: <b>T3-U01</b>  Virtual background user to use: <b>T3-U02; T3-U03; T3-U04; T3-U05; T3-U06; T3-U07; T3-U08; T3-U09; T3-U10; T3-U11; T3-U12; T3-U13; T3-U14; T3-U15; T3-U16; T3-U17; T3-U18; T3-U19; T3-U20; T3-U21</b>
<b><u>Content:</u></b>	Perform the same test as those describe in test case “Perf_004” with 20 users performing TARIC3 actions in background.
<b><u>Expected output:</u></b>	Same expected outputs as for test case “Perf_004”.

### 3.2.2.2. Taric3 Mass Update peak activity

<b><u>Test case n°:</u></b>	Load_025
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**Purpose:** Assess the performance of the MAU application when 2 users are performing TARIC3 Mass Update actions.

**Related scenario:** TS003

**Precondition:** User to use: **T3-U01 ; T3-U02**

**Content:** Perform the same tests as those described in test case “Perf\_004”. Test 1 will be launched by T3-U01 and Test 2 will be launched by T3-U02.  
Note that for this test, both tests will be launched at the same time.

**Expected output:** Same expected outputs as for test case “Perf\_004”.

### 3.3. Volume Test

**Test case n°:** Vol\_001

**Purpose:** Assess the performance of the MAU application when low volume is used.

**Related scenario:** TS004

**Precondition:** User to use: **T3-U01**

**Content:** **Calculate Impact of Copy measures 1:**  
Perform “calculate impact Copy measures” action in order to impact about 500 measures.

**Copy measures 1:**  
Perform “Copy measures” action in order to impact about 500 measures.

**Calculate Impact of Update measures 1:**  
Perform “calculate impact update measures” action in order to impact above 500 measures.

**Update measures 1:**  
Perform “update measures” action in order to impact above 500 measures.

**Calculate Impact of Release Unstable Measures 1:**  
Perform “calculate impact release unstable measures” action in order to impact above 500 measures.

**Release Unstable Measures 1:**  
Perform “release unstable measures” action in order to

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impact above 500 measures.

**Calculate Impact of Release Unstable Goods Nomenclature 1:**

Perform “calculate impact release unstable goods nomenclature” action in order to impact above 500 goods nomenclatures.

**Release Unstable Goods Nomenclature 1:**

Perform “release unstable goods nomenclature” action in order to impact above 500 goods nomenclatures.

**Calculate Impact of Regulation Replacement 1:**

Perform “calculate impact regulation replacement” action in order to impact above 500 regulations.

**Regulation Replacement 1:**

Perform “regulation replacement” action in order to impact above 500 regulations.

**Calculate Impact of Close a Nomenclature Goods Code 1:**

Perform “calculate impact close a nomenclature goods code” action in order to impact above 500 goods code.

**Close a Nomenclature Goods Code 1:**

Perform “close a nomenclature goods code” action in order to impact above 500 goods code.

**Calculate Impact of Delete Measures 1:**

Perform “calculate impact delete measures” action in order to impact above 500 measures.

**Delete Measures 1:**

Perform “delete measures” action in order to impact above 500 measures.

**Calculate Impact of Transfer Measures for a Regulation 1:**

Perform “calculate impact transfer measure for a regulation” action in order to impact above 500 measures.

**Transfer Measures for a Regulation 1:**

Perform “transfer measure for a regulation” action in order to impact above 500 measures.

**Calculate Impact of Transfer Measures for a Goods Code 1:**

Perform “calculate impact transfer measures for a goods code” action in order to impact above 500 measures.

**Transfer Measures for a Goods Code 1:**

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Perform “transfer measures for a goods code” action in order to impact above 500 measures.

**Calculate Impact of Copy Measures for a Regulation 1:**

Perform “calculate impact copy measures for a regulation” action in order to impact above 500 measures.

**Copy Measures for a Regulation 1:**

Perform “copy measures for a regulation” action in order to impact above 500 measures.

**Calculate Impact of Deabrogation of a Base Regulation 1:**

Perform “calculate impact deabrogation of a base regulation” action in order to impact above 500 measures.

**Deabrogation of a Base Regulation 1:**

Perform “deabrogation of a base regulation” action in order to impact above 500 measures.

**Calculate Impact of Deabrogation of a Modification Regulation 1:**

Perform “calculate impact deabrogation of a modification regulation” action in order to impact above 500 measures.

**Deabrogation of a Modification Regulation 1:**

Perform “deabrogation of a modification” regulation action in order to impact above 500 measures.

**Calculate Impact of Exclusion of Countries 1:**

Perform “calculate impact exclusion of countries” action in order to impact above 500 measures.

**Exclusion of Countries 1:**

Perform “exclusion of countries” action in order to impact above 500 measures.

**Calculate Impact of Close Measures for a Goods code 1:**

Perform “calculate impact close measures for a goods code” action in order to impact above 500 measures.

**Close Measures for a Goods code 1:**

Perform “close measures for a goods code” action in order to impact above 500 measures.

**Calculate Impact of Copy Measures for a Goods Code 1:**

Perform “calculate impact copy measures for a goods code” action in order to impact above 500 measures.

**Copy Measures for a Goods Code 1:**

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Perform “copy measures for a goods code” action in order to impact above 500 measures.

**Calculate Impact of Close Measures 1:**

Perform “calculate impact close measures” action in order to impact above 500 measures.

**Close Measures 1:**

Perform “close measures” action in order to impact above 500 measures.

**Expected output:**

Action accepted and time taken to perform "Calculate Impact of Copy measures 1".

Action accepted and time taken to perform "Copy measures 1".

Action accepted and time taken to perform "Calculate Impact of Update measures 1".

Action accepted and time taken to perform “Update measures 1".

Action accepted and time taken to perform "Calculate Impact of Release Unstable Measures 1".

Action accepted and time taken to perform "Release Unstable Measures 1".

Action accepted and time taken to perform "Calculate Impact of Release Unstable Goods Nomenclature 1".

Action accepted and time taken to perform "Release Unstable Goods Nomenclature 1".

Action accepted and time taken to perform "Calculate Impact of Regulation Replacement 1".

Action accepted and time taken to perform "Regulation Replacement 1".

Action accepted and time taken to perform "Calculate Impact of Close a Nomenclature Goods Code 1".

Action accepted and time taken to perform "Close a Nomenclature Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Delete Measures 1".

Action accepted and time taken to perform "Delete Measures 1".

Action accepted and time taken to perform "Calculate Impact of Transfer Measures for a Regulation 1".

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Action accepted and time taken to perform "Transfer Measures for a Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Transfer Measures for a Goods Code 1".

Action accepted and time taken to perform "Transfer Measures for a Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Copy Measures for a Regulation 1".

Action accepted and time taken to perform "Copy Measures for a Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Deabrogation of a Base Regulation 1".

Action accepted and time taken to perform "Deabrogation of a Base Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Deabrogation of a Modification Regulation 1".

Action accepted and time taken to perform "Deabrogation of a Modification Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Exclusion of Countries 1".

Action accepted and time taken to perform "Exclusion of Countries 1".

Action accepted and time taken to perform "Calculate Impact of Close Measures for a Goods code 1".

Action accepted and time taken to perform "Close Measures for a Goods code 1".

Action accepted and time taken to perform "Calculate Impact of Copy Measures for a Goods Code 1".

Action accepted and time taken to perform "Copy Measures for a Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Create Preferential Measures 1".

Action accepted and time taken to perform "Create Preferential Measures 1".

Action accepted and time taken to perform "Calculate Impact of Close Measures 1".

Action accepted and time taken to perform "Close Measures 1".

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**Test case n°:** Vol\_002

**Purpose:** Assess the performance of the MAU application when medium volume is used.

**Related scenario:** TS004

**Precondition:** User to use: **T3-U01**

**Content:** **Calculate Impact of Copy measures 1:**  
Perform “calculate impact Copy measures” action in order to impact about 5000 measures.

**Copy measures 1:**  
Perform “Copy measures” action in order to impact about 5000 measures.

**Calculate Impact of Update measures 1:**  
Perform “calculate impact update measures” action in order to impact above 5000 measures.

**Update measures 1:**  
Perform “update measures” action in order to impact above 5000 measures.

**Calculate Impact of Release Unstable Measures 1:**  
Perform “calculate impact release unstable measures” action in order to impact above 5000 measures.

**Release Unstable Measures 1:**  
Perform “release unstable measures” action in order to impact above 5000 measures.

**Calculate Impact of Release Unstable Goods Nomenclature 1:**  
Perform “calculate impact release unstable goods nomenclature” action in order to impact above 5000 goods nomenclatures.

**Release Unstable Goods Nomenclature 1:**  
Perform “release unstable goods nomenclature” action in order to impact above 5000 goods nomenclatures.

**Calculate Impact of Regulation Replacement 1:**  
Perform “calculate impact regulation replacement” action in order to impact above 5000 regulations.

**Regulation Replacement 1:**  
Perform “regulation replacement” action in order to

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impact above 5000 regulations.

**Calculate Impact of Close a Nomenclature Goods Code 1:**

Perform “calculate impact close a nomenclature goods code” action in order to impact above 5000 goods code.

**Close a Nomenclature Goods Code 1:**

Perform “close a nomenclature goods code” action in order to impact above 5000 goods code.

**Calculate Impact of Delete Measures 1:**

Perform “calculate impact delete measures” action in order to impact above 5000 measures.

**Delete Measures 1:**

Perform “delete measures” action in order to impact above 5000 measures.

**Calculate Impact of Transfer Measures for a Regulation 1:**

Perform “calculate impact transfer measure for a regulation” action in order to impact above 500 measures.

**Transfer Measures for a Regulation 1:**

Perform “transfer measure for a regulation” action in order to impact above 5000 measures.

**Calculate Impact of Transfer Measures for a Goods Code 1:**

Perform “calculate impact transfer measures for a goods code” action in order to impact above 5000 measures.

**Transfer Measures for a Goods Code 1:**

Perform “transfer measures for a goods code” action in order to impact above 5000 measures.

**Calculate Impact of Copy Measures for a Regulation 1:**

Perform “calculate impact copy measures for a regulation” action in order to impact above 5000 measures.

**Copy Measures for a Regulation 1:**

Perform “copy measures for a regulation” action in order to impact above 5000 measures.

**Calculate Impact of Deabrogation of a Base Regulation 1:**

Perform “calculate impact deabrogation of a base regulation” action in order to impact above 5000 measures.

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

**Deabrogation of a Base Regulation 1:**

Perform “deabrogation of a base regulation” action in order to impact above 5000 measures.

**Calculate Impact of Deabrogation of a Modification Regulation 1:**

Perform “calculate impact deabrogation of a modification regulation” action in order to impact above 5000 measures.

**Deabrogation of a Modification Regulation 1:**

Perform “deabrogation of a modification” regulation action in order to impact above 5000 measures.

**Calculate Impact of Exclusion of Countries 1:**

Perform “calculate impact exclusion of countries” action in order to impact above 5000 measures.

**Exclusion of Countries 1:**

Perform “exclusion of countries” action in order to impact above 5000 measures.

**Calculate Impact of Close Measures for a Goods code 1:**

Perform “calculate impact close measures for a goods code” action in order to impact above 5000 measures.

**Close Measures for a Goods code 1:**

Perform “close measures for a goods code” action in order to impact above 5000 measures.

**Calculate Impact of Copy Measures for a Goods Code 1:**

Perform “calculate impact copy measures for a goods code” action in order to impact above 5000 measures.

**Copy Measures for a Goods Code 1:**

Perform “copy measures for a goods code” action in order to impact above 5000 measures.

**Calculate Impact of Create Preferential Measures 1:**

Perform “calculate impact create preferential measures” action once.

**Create Preferential Measures 1:**

Perform “create preferential measures” action once.

**Calculate Impact of Close Measures 1:**

Perform “calculate impact close measures” action in order to impact above 5000 measures.

**Close Measures 1:**

Perform “close measures” action in order to impact above 5000 measures.

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

**Expected output:**

Action accepted and time taken to perform "Calculate Impact of Copy measures 1".

Action accepted and time taken to perform "Copy measures 1".

Action accepted and time taken to perform "Calculate Impact of Update measures 1".

Action accepted and time taken to perform "Update measures 1".

Action accepted and time taken to perform "Calculate Impact of Release Unstable Measures 1".

Action accepted and time taken to perform "Release Unstable Measures 1".

Action accepted and time taken to perform "Calculate Impact of Release Unstable Goods Nomenclature 1".

Action accepted and time taken to perform "Release Unstable Goods Nomenclature 1".

Action accepted and time taken to perform "Calculate Impact of Regulation Replacement 1".

Action accepted and time taken to perform "Regulation Replacement 1".

Action accepted and time taken to perform "Calculate Impact of Close a Nomenclature Goods Code 1".

Action accepted and time taken to perform "Close a Nomenclature Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Delete Measures 1".

Action accepted and time taken to perform "Delete Measures 1".

Action accepted and time taken to perform "Calculate Impact of Transfer Measures for a Regulation 1".

Action accepted and time taken to perform "Transfer Measures for a Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Transfer Measures for a Goods Code 1".

Action accepted and time taken to perform "Transfer Measures for a Goods Code 1".

Action accepted and time taken to perform "Calculate Impact

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

of Copy Measures for a Regulation 1".

Action accepted and time taken to perform "Copy Measures for a Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Deabrogation of a Base Regulation 1".

Action accepted and time taken to perform "Deabrogation of a Base Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Deabrogation of a Modification Regulation 1".

Action accepted and time taken to perform "Deabrogation of a Modification Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Exclusion of Countries 1".

Action accepted and time taken to perform "Exclusion of Countries 1".

Action accepted and time taken to perform "Calculate Impact of Close Measures for a Goods code 1".

Action accepted and time taken to perform "Close Measures for a Goods code 1".

Action accepted and time taken to perform "Calculate Impact of Copy Measures for a Goods Code 1".

Action accepted and time taken to perform "Copy Measures for a Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Create Preferential Measures 1".

Action accepted and time taken to perform "Create Preferential Measures 1".

Action accepted and time taken to perform "Calculate Impact of Close Measures 1".

Action accepted and time taken to perform "Close Measures 1".

**Test case n°:** Vol\_003

**Purpose:** Assess the performance of the MAU application when huge volume is used.

**Related scenario:** TS004

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

**Precondition:** User to use: **T3-U01**

**Content:** **Calculate Impact of Copy measures 1:**  
Perform “calculate impact Copy measures” action in order to impact about 100000 measures.

**Copy measures 1:**  
Perform “Copy measures” action in order to impact about 100000 measures.

**Calculate Impact of Update measures 1:**  
Perform “calculate impact update measures” action in order to impact above 100000 measures.

**Update measures 1:**  
Perform “update measures” action in order to impact above 100000 measures.

**Calculate Impact of Release Unstable Measures 1:**  
Perform “calculate impact release unstable measures” action in order to impact above 100000 measures.

**Release Unstable Measures 1:**  
Perform “release unstable measures” action in order to impact above 100000 measures.

**Calculate Impact of Release Unstable Goods Nomenclature 1:**  
Perform “calculate impact release unstable goods nomenclature” action in order to impact above 100000 goods nomenclatures.

**Release Unstable Goods Nomenclature 1:**  
Perform “release unstable goods nomenclature” action in order to impact above 100000 goods nomenclatures.

**Calculate Impact of Regulation Replacement 1:**  
Perform “calculate impact regulation replacement” action in order to impact above 100000 regulations.

**Regulation Replacement 1:**  
Perform “regulation replacement” action in order to impact above 100000 regulations.

**Calculate Impact of Close a Nomenclature Goods Code 1:**  
Perform “calculate impact close a nomenclature goods code” action in order to impact above 100000 goods code.

**Close a Nomenclature Goods Code 1:**  
Perform “close a nomenclature goods code” action in

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

order to impact above 100000 goods code.

**Calculate Impact of Delete Measures 1:**

Perform “calculate impact delete measures” action in order to impact above 100000 measures.

**Delete Measures 1:**

Perform “delete measures” action in order to impact above 100000 measures.

**Calculate Impact of Transfer Measures for a Regulation 1:**

Perform “calculate impact transfer measure for a regulation” action in order to impact above 100000 measures.

**Transfer Measures for a Regulation 1:**

Perform “transfer measure for a regulation” action in order to impact above 100000 measures.

**Calculate Impact of Transfer Measures for a Goods Code 1:**

Perform “calculate impact transfer measures for a goods code” action in order to impact above 100000 measures.

**Transfer Measures for a Goods Code 1:**

Perform “transfer measures for a goods code” action in order to impact above 100000 measures.

**Calculate Impact of Copy Measures for a Regulation 1:**

Perform “calculate impact copy measures for a regulation” action in order to impact above 100000 measures.

**Copy Measures for a Regulation 1:**

Perform “copy measures for a regulation” action in order to impact above 100000 measures.

**Calculate Impact of Deabrogation of a Base Regulation 1:**

Perform “calculate impact deabrogation of a base regulation” action in order to impact above 100000 measures.

**Deabrogation of a Base Regulation 1:**

Perform “deabrogation of a base regulation” action in order to impact above 100000 measures.

**Calculate Impact of Deabrogation of a Modification Regulation 1:**

Perform “calculate impact deabrogation of a modification regulation” action in order to impact above 100000 measures.

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

**Deabrogation of a Modification Regulation 1:**

Perform “deabrogation of a modification” regulation action in order to impact above 100000 measures.

**Calculate Impact of Exclusion of Countries 1:**

Perform “calculate impact exclusion of countries” action in order to impact above 100000 measures.

**Exclusion of Countries 1:**

Perform “exclusion of countries” action in order to impact above 100000 measures.

**Calculate Impact of Close Measures for a Goods code 1:**

Perform “calculate impact close measures for a goods code” action in order to impact above 100000 measures.

**Close Measures for a Goods code 1:**

Perform “close measures for a goods code” action in order to impact above 100000 measures.

**Calculate Impact of Copy Measures for a Goods Code 1:**

Perform “calculate impact copy measures for a goods code” action in order to impact above 100000 measures.

**Copy Measures for a Goods Code 1:**

Perform “copy measures for a goods code” action in order to impact above 100000 measures.

**Calculate Impact of Create Preferential Measures 1:**

Perform “calculate impact create preferential measures” action once.

**Create Preferential Measures 1:**

Perform “create preferential measures” action once.

**Calculate Impact of Close Measures 1:**

Perform “calculate impact close measures” action in order to impact above 100000 measures.

**Close Measures 1:**

Perform “close measures” action in order to impact above 100000 measures.

**Expected output:**

Action accepted and time taken to perform "Calculate Impact of Copy measures 1".

Action accepted and time taken to perform "Copy measures 1".

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

Action accepted and time taken to perform "Calculate Impact of Update measures 1".

Action accepted and time taken to perform "Update measures 1".

Action accepted and time taken to perform "Calculate Impact of Release Unstable Measures 1".

Action accepted and time taken to perform "Release Unstable Measures 1".

Action accepted and time taken to perform "Calculate Impact of Release Unstable Goods Nomenclature 1".

Action accepted and time taken to perform "Release Unstable Goods Nomenclature 1".

Action accepted and time taken to perform "Calculate Impact of Regulation Replacement 1".

Action accepted and time taken to perform "Regulation Replacement 1".

Action accepted and time taken to perform "Calculate Impact of Close a Nomenclature Goods Code 1".

Action accepted and time taken to perform "Close a Nomenclature Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Delete Measures 1".

Action accepted and time taken to perform "Delete Measures 1".

Action accepted and time taken to perform "Calculate Impact of Transfer Measures for a Regulation 1".

Action accepted and time taken to perform "Transfer Measures for a Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Transfer Measures for a Goods Code 1".

Action accepted and time taken to perform "Transfer Measures for a Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Copy Measures for a Regulation 1".

Action accepted and time taken to perform "Copy Measures for a Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Deabrogation of a Base Regulation 1".

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

Action accepted and time taken to perform "Deabrogation of a Base Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Deabrogation of a Modification Regulation 1".

Action accepted and time taken to perform "Deabrogation of a Modification Regulation 1".

Action accepted and time taken to perform "Calculate Impact of Exclusion of Countries 1".

Action accepted and time taken to perform "Exclusion of Countries 1".

Action accepted and time taken to perform "Calculate Impact of Close Measures for a Goods code 1".

Action accepted and time taken to perform "Close Measures for a Goods code 1".

Action accepted and time taken to perform "Calculate Impact of Copy Measures for a Goods Code 1".

Action accepted and time taken to perform "Copy Measures for a Goods Code 1".

Action accepted and time taken to perform "Calculate Impact of Create Preferential Measures 1".

Action accepted and time taken to perform "Create Preferential Measures 1".

Action accepted and time taken to perform "Calculate Impact of Close Measures 1".

Action accepted and time taken to perform "Close Measures 1".

### 3.4. Performance impact test

**Test case n°:** Imp\_001

**Purpose:** Verify the influence of the satellite application on the TARIC3 CDCO while 1 user is performing low<sup>1</sup> volume Mass Update operations in background.

**Related scenario:** TS005

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<sup>1</sup> See 2.2.3 for details

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

**Precondition:** User to use: **T3-U01**

**Content:**

Insert 1: Insert one role regulation once.  
 Insert 2: Insert one goods nomenclature once.  
 Insert 3: Insert one measure once.

Update 1: Update one role regulation once.  
 Update 2: Update one goods nomenclature once.  
 Update 3: Update one measure once.

Query 1: Perform a query on role regulations in order to obtain above 1000 results.  
 Query 2: Perform a query on goods nomenclatures in order to obtain above 1000 results.  
 Query 3: Perform a query on measures in order to obtain above 1000 results.

Delete 1: Delete one role regulation once  
 Delete 2: Delete one goods nomenclature once  
 Delete 3: Delete one role regulation once

**Expected output:**

Action accepted and time taken to perform "Insert 1"  
 Action accepted and time taken to perform "Insert 2"  
 Action accepted and time taken to perform "Insert 3"

Action accepted and time taken to perform "Update 1"  
 Action accepted and time taken to perform "Update 2"  
 Action accepted and time taken to perform "Update 3"

Action accepted and time taken to perform "Query 1"  
 Action accepted and time taken to perform "Query 2"  
 Action accepted and time taken to perform "Query 3"

Action accepted and time taken to perform "Delete 1"  
 Action accepted and time taken to perform "Delete 2"  
 Action accepted and time taken to perform "Delete 3"

**Test case n°:** Imp\_002

**Purpose:** Verify the influence of the satellite application on the TARIC3 CDCO while 1 user is performing medium<sup>2</sup> volume Mass Update operations in background.

**Related** TS005

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<sup>2</sup> See 2.2.3 for details

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

**scenario:**

**Precondition:** User to use: **T3-U01**

**Content:** Insert 1: Insert one role regulation once.  
 Insert 2: Insert one goods nomenclature once.  
 Insert 3: Insert one measure once.

Update 1: Update one role regulation once.  
 Update 2: Update one goods nomenclature once.  
 Update 3: Update one measure once.

Query 1: Perform a query on role regulations in order to obtain above 1000 results.  
 Query 2: Perform a query on goods nomenclatures in order to obtain above 1000 results.  
 Query 3: Perform a query on measures in order to obtain above 1000 results.

Delete 1: Delete one role regulation once  
 Delete 2: Delete one goods nomenclature once  
 Delete 3: Delete one role regulation once

**Expected output:**

Action accepted and time taken to perform "Insert 1"  
 Action accepted and time taken to perform "Insert 2"  
 Action accepted and time taken to perform "Insert 3"

Action accepted and time taken to perform "Update 1"  
 Action accepted and time taken to perform "Update 2"  
 Action accepted and time taken to perform "Update 3"

Action accepted and time taken to perform "Query 1"  
 Action accepted and time taken to perform "Query 2"  
 Action accepted and time taken to perform "Query 3"

Action accepted and time taken to perform "Delete 1"  
 Action accepted and time taken to perform "Delete 2"  
 Action accepted and time taken to perform "Delete 3"

**Test case n°:** Imp\_003

**Purpose:** Verify the influence of the satellite application on the TARIC3 CDCO while 1 user is performing huge<sup>3</sup> volume Mass Update operations in background.

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<sup>3</sup> See 2.2.3 for details

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

**Related scenario:** TS005

**Precondition:** User to use: **T3-U01**

**Content:**

Insert 1: Insert one role regulation once.  
 Insert 2: Insert one goods nomenclature once.  
 Insert 3: Insert one measure once.

Update 1: Update one role regulation once.  
 Update 2: Update one goods nomenclature once.  
 Update 3: Update one measure once.

Query 1: Perform a query on role regulations in order to obtain above 1000 results.  
 Query 2: Perform a query on goods nomenclatures in order to obtain above 1000 results.  
 Query 3: Perform a query on measures in order to obtain above 1000 results.

Delete 1: Delete one role regulation once  
 Delete 2: Delete one goods nomenclature once  
 Delete 3: Delete one role regulation once

**Expected output:**

Action accepted and time taken to perform "Insert 1"  
 Action accepted and time taken to perform "Insert 2"  
 Action accepted and time taken to perform "Insert 3"

Action accepted and time taken to perform "Update 1"  
 Action accepted and time taken to perform "Update 2"  
 Action accepted and time taken to perform "Update 3"

Action accepted and time taken to perform "Query 1"  
 Action accepted and time taken to perform "Query 2"  
 Action accepted and time taken to perform "Query 3"

Action accepted and time taken to perform "Delete 1"  
 Action accepted and time taken to perform "Delete 2"  
 Action accepted and time taken to perform "Delete 3"

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

## 4. TEST REPORT FORM

### 4.1. Environment description

Hardware platform	
Operating system	
Database (+version)	
Official release number <sup>4</sup>	
ClearCase label <sup>5</sup>	
Performance test file version	
Execution date	

**Table 5: Environment description**

### 4.2. Test case execution

Test case	Measure	Time
Perf_001	Time taken to perform “Calculate impact of Copy Measures 1”.	
	Time taken to perform “Copy Measures 1”.	
	Time taken to perform “Calculate impact of Update Measures 1”.	
	Time taken to perform “Update Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Measures 1”.	
	Time taken to perform “Release Unstable Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Calculate impact of Regulation Replacement 1”.	
	Time taken to perform “Regulation Replacement 1”.	
	Time taken to perform “Calculate impact of Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Measures 1”.	
	Time taken to perform “Delete Measures 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Regulation 1”.	

<sup>4</sup> This information must only be filled in for testing of official delivery (e.g. 1.0.0).

<sup>5</sup> This information is only available to the development team and identifies the tested internal version.

Test case	Measure	Time
	Time taken to perform “Transfer Measures for a Regulation 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a regulation 1”.	
	Time taken to perform “Copy Measures for a regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Calculate impact of Exclusion of Countries 1”.	
	Time taken to perform “Exclusion of Countries 1”.	
	Time taken to perform “Calculate impact of Prepare the Database for a new language 1”.	
	Time taken to perform “Prepare the Database for a new language 1”.	
	Time taken to perform “Calculate impact of Close Measures for a Goods Code 1”.	
	Time taken to perform “Close Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a Goods Code 1”.	
	Time taken to perform “Copy Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Unstable Records 1”.	
	Time taken to perform “Delete Unstable Records 1”.	
	Time taken to perform “Calculate impact of Create Preferential Measures 1”.	
	Time taken to perform “Create Preferential Measures 1”.	
	Time taken to perform “Calculate impact of Close Measures 1”.	
	Time taken to perform “Close Measures 1”.	
Perf_002	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
	Time taken to perform “Test 4”.	

Test case	Measure	Time
Perf_003	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
Perf_004	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
Load_001	Time taken to perform “Calculate impact of Copy Measures 1”.	
	Time taken to perform “Copy Measures 1”.	
	Time taken to perform “Calculate impact of Update Measures 1”.	
	Time taken to perform “Update Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Measures 1”.	
	Time taken to perform “Release Unstable Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Calculate impact of Regulation Replacement 1”.	
	Time taken to perform “Regulation Replacement 1”.	
	Time taken to perform “Calculate impact of Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Measures 1”.	
	Time taken to perform “Delete Measures 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Regulation 1”.	
Time taken to perform “Transfer Measures for a Regulation 1”.		
Time taken to perform “Calculate impact of Transfer Measures for a Goods Code 1”.		
Time taken to perform “Transfer Measures for a Goods Code 1”.		
Time taken to perform “Calculate impact of Copy Measures for a regulation 1”.		
Time taken to perform “Copy Measures for a regulation 1”.		
Time taken to perform “Calculate impact of Deabrogation of a Base Regulation 1”.		
Time taken to perform “Deabrogation of a Base Regulation 1”.		
Time taken to perform “Calculate impact of Deabrogation of a Modification Regulation 1”.		

Test case	Measure	Time
	Time taken to perform “Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Calculate impact of Exclusion of Countries 1”.	
	Time taken to perform “Exclusion of Countries 1”.	
	Time taken to perform “Calculate impact of Prepare the Database for a new language 1”.	
	Time taken to perform “Prepare the Database for a new language 1”.	
	Time taken to perform “Calculate impact of Close Measures for a Goods Code 1”.	
	Time taken to perform “Close Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a Goods Code 1”.	
	Time taken to perform “Copy Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Unstable Records 1”.	
	Time taken to perform “Delete Unstable Records 1”.	
	Time taken to perform “Calculate impact of Create Preferential Measures 1”.	
	Time taken to perform “Create Preferential Measures 1”.	
	Time taken to perform “Calculate impact of Close Measures 1”.	
	Time taken to perform “Close Measures 1”.	
Load_002	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
	Time taken to perform “Test 4”.	
Load_003	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
Load_004	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
Load_005	Time taken to perform “Calculate impact of Copy Measures 1”.	
	Time taken to perform “Copy Measures 1”.	
	Time taken to perform “Calculate impact of Update Measures 1”.	
	Time taken to perform “Update Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Measures 1”.	
	Time taken to perform “Release Unstable Measures 1”.	

Test case	Measure	Time
	Time taken to perform “Calculate impact of Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Calculate impact of Regulation Replacement 1”.	
	Time taken to perform “Regulation Replacement 1”.	
	Time taken to perform “Calculate impact of Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Measures 1”.	
	Time taken to perform “Delete Measures 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Regulation 1”.	
	Time taken to perform “Transfer Measures for a Regulation 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a regulation 1”.	
	Time taken to perform “Copy Measures for a regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Calculate impact of Exclusion of Countries 1”.	
	Time taken to perform “Exclusion of Countries 1”.	
	Time taken to perform “Calculate impact of Prepare the Database for a new language 1”.	
	Time taken to perform “Prepare the Database for a new language 1”.	
	Time taken to perform “Calculate impact of Close Measures for a Goods Code 1”.	
	Time taken to perform “Close Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a Goods Code 1”.	

Test case	Measure	Time
	Time taken to perform “Copy Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Unstable Records 1”.	
	Time taken to perform “Delete Unstable Records 1”.	
	Time taken to perform “Calculate impact of Create Preferential Measures 1”.	
	Time taken to perform “Create Preferential Measures 1”.	
	Time taken to perform “Calculate impact of Close Measures 1”.	
	Time taken to perform “Close Measures 1”.	
Load_006	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
	Time taken to perform “Test 4”.	
Load_007	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
Load_008	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
Load_009	Time taken to perform “Calculate impact of Copy Measures 1”.	
	Time taken to perform “Copy Measures 1”.	
	Time taken to perform “Calculate impact of Update Measures 1”.	
	Time taken to perform “Update Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Measures 1”.	
	Time taken to perform “Release Unstable Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Calculate impact of Regulation Replacement 1”.	
	Time taken to perform “Regulation Replacement 1”.	
	Time taken to perform “Calculate impact of Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Measures 1”.	
	Time taken to perform “Delete Measures 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Regulation 1”.	

Test case	Measure	Time
	Time taken to perform “Transfer Measures for a Regulation 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a regulation 1”.	
	Time taken to perform “Copy Measures for a regulation 1”	
	Time taken to perform “Calculate impact of Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Calculate impact of Exclusion of Countries 1”.	
	Time taken to perform “Exclusion of Countries 1”.	
	Time taken to perform “Calculate impact of Prepare the Database for a new language 1”.	
	Time taken to perform “Prepare the Database for a new language 1”.	
	Time taken to perform “Calculate impact of Close Measures for a Goods Code 1”.	
	Time taken to perform “Close Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a Goods Code 1”.	
	Time taken to perform “Copy Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Unstable Records 1”.	
	Time taken to perform “Delete Unstable Records 1”	
	Time taken to perform “Calculate impact of Create Preferential Measures 1”.	
	Time taken to perform “Create Preferential Measures 1”.	
	Time taken to perform “Calculate impact of Close Measures 1”.	
	Time taken to perform “Close Measures 1”.	
Load_010	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
	Time taken to perform “Test 4”.	

Test case	Measure	Time
Load_011	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
Load_012	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
Load_013	Time taken to perform “Calculate impact of Copy Measures 1”.	
	Time taken to perform “Copy Measures 1”.	
	Time taken to perform “Calculate impact of Update Measures 1”.	
	Time taken to perform “Update Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Measures 1”.	
	Time taken to perform “Release Unstable Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Calculate impact of Regulation Replacement 1”.	
	Time taken to perform “Regulation Replacement 1”.	
	Time taken to perform “Calculate impact of Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Measures 1”.	
	Time taken to perform “Delete Measures 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Regulation 1”.	
Time taken to perform “Transfer Measures for a Regulation 1”.		
Time taken to perform “Calculate impact of Transfer Measures for a Goods Code 1”.		
Time taken to perform “Transfer Measures for a Goods Code 1”.		
Time taken to perform “Calculate impact of Copy Measures for a regulation 1”.		
Time taken to perform “Copy Measures for a regulation 1”.		
Time taken to perform “Calculate impact of Deabrogation of a Base Regulation 1”.		
Time taken to perform “Deabrogation of a Base Regulation 1”.		
Time taken to perform “Calculate impact of Deabrogation of a Modification Regulation 1”.		

Test case	Measure	Time
	Time taken to perform “Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Calculate impact of Exclusion of Countries 1”.	
	Time taken to perform “Exclusion of Countries 1”.	
	Time taken to perform “Calculate impact of Prepare the Database for a new language 1”.	
	Time taken to perform “Prepare the Database for a new language 1”.	
	Time taken to perform “Calculate impact of Close Measures for a Goods Code 1”.	
	Time taken to perform “Close Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a Goods Code 1”.	
	Time taken to perform “Copy Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Unstable Records 1”.	
	Time taken to perform “Delete Unstable Records 1”.	
	Time taken to perform “Calculate impact of Create Preferential Measures 1”.	
	Time taken to perform “Create Preferential Measures 1”.	
	Time taken to perform “Calculate impact of Close Measures 1”.	
	Time taken to perform “Close Measures 1”.	
Load_014	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
	Time taken to perform “Test 4”.	
Load_015	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
Load_016	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
Load_017	Time taken to perform “Calculate impact of Copy Measures 1”.	
	Time taken to perform “Copy Measures 1”.	
	Time taken to perform “Calculate impact of Update Measures 1”.	
	Time taken to perform “Update Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Measures 1”.	
	Time taken to perform “Release Unstable Measures 1”.	

Test case	Measure	Time
	Time taken to perform “Calculate impact of Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Calculate impact of Regulation Replacement 1”.	
	Time taken to perform “Regulation Replacement 1”.	
	Time taken to perform “Calculate impact of Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Measures 1”.	
	Time taken to perform “Delete Measures 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Regulation 1”.	
	Time taken to perform “Transfer Measures for a Regulation 1”	
	Time taken to perform “Calculate impact of Transfer Measures for a Goods Code 1”	
	Time taken to perform “Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a regulation 1”.	
	Time taken to perform “Copy Measures for a regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Calculate impact of Exclusion of Countries 1”.	
	Time taken to perform “Exclusion of Countries 1”.	
	Time taken to perform “Calculate impact of Prepare the Database for a new language 1”	
	Time taken to perform “Prepare the Database for a new language 1”.	
	Time taken to perform “Calculate impact of Close Measures for a Goods Code 1”.	
	Time taken to perform “Close Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a Goods Code 1”.	

Test case	Measure	Time
	Time taken to perform “Copy Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Unstable Records 1”.	
	Time taken to perform “Delete Unstable Records 1”.	
	Time taken to perform “Calculate impact of Create Preferential Measures 1”.	
	Time taken to perform “Create Preferential Measures 1”.	
	Time taken to perform “Calculate impact of Close Measures 1”.	
	Time taken to perform “Close Measures 1”.	
Load_018	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
	Time taken to perform “Test 4”.	
Load_019	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
Load_020	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
Load_021	Time taken to perform “Calculate impact of Copy Measures 1”.	
	Time taken to perform “Copy Measures 1”.	
	Time taken to perform “Calculate impact of Update Measures 1”.	
	Time taken to perform “Update Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Measures 1”.	
	Time taken to perform “Release Unstable Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Calculate impact of Regulation Replacement 1”.	
	Time taken to perform “Regulation Replacement 1”.	
	Time taken to perform “Calculate impact of Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Measures 1”.	
	Time taken to perform “Delete Measures 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Regulation 1”.	

Test case	Measure	Time
	Time taken to perform “Transfer Measures for a Regulation 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a regulation 1”.	
	Time taken to perform “Copy Measures for a regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Calculate impact of Exclusion of Countries 1”.	
	Time taken to perform “Exclusion of Countries 1”.	
	Time taken to perform “Calculate impact of Prepare the Database for a new language 1”.	
	Time taken to perform “Prepare the Database for a new language 1”.	
	Time taken to perform “Calculate impact of Close Measures for a Goods Code 1”.	
	Time taken to perform “Close Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a Goods Code 1”.	
	Time taken to perform “Copy Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Unstable Records 1”.	
	Time taken to perform “Delete Unstable Records 1”.	
	Time taken to perform “Calculate impact of Create Preferential Measures 1”.	
	Time taken to perform “Create Preferential Measures 1”.	
	Time taken to perform “Calculate impact of Close Measures 1”.	
	Time taken to perform “Close Measures 1”.	
Load_022	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
	Time taken to perform “Test 4”.	

Test case	Measure	Time
Load_023	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
	Time taken to perform “Test 3”.	
Load_024	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
Load_025	Time taken to perform “Test 1”.	
	Time taken to perform “Test 2”.	
Vol_001	Time taken to perform “Calculate impact of Copy Measures 1”.	
	Time taken to perform “Copy Measures 1”.	
	Time taken to perform “Calculate impact of Update Measures 1”.	
	Time taken to perform “Update Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Measures 1”.	
	Time taken to perform “Release Unstable Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Calculate impact of Regulation Replacement 1”.	
	Time taken to perform “Regulation Replacement 1”.	
	Time taken to perform “Calculate impact of Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Measures 1”.	
	Time taken to perform “Delete Measures 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Regulation 1”.	
	Time taken to perform “Transfer Measures for a Regulation 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Goods Code 1”.	
Time taken to perform “Transfer Measures for a Goods Code 1”.		
Time taken to perform “Calculate impact of Copy Measures for a regulation 1”.		
Time taken to perform “Copy Measures for a regulation 1”.		
Time taken to perform “Calculate impact of Deabrogation of a Base Regulation 1”.		
Time taken to perform “Deabrogation of a Base Regulation 1”.		

Test case	Measure	Time
	Time taken to perform “Calculate impact of Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Calculate impact of Exclusion of Countries 1”.	
	Time taken to perform “Exclusion of Countries 1”.	
	Time taken to perform “Calculate impact of Close Measures for a Goods Code 1”.	
	Time taken to perform “Close Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a Goods Code 1”.	
	Time taken to perform “Copy Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Create Preferential Measures 1”.	
	Time taken to perform “Create Preferential Measures 1”.	
	Time taken to perform “Calculate impact of Close Measures 1”.	
	Time taken to perform “Close Measures 1”.	
Vol_002	Time taken to perform “Calculate impact of Copy Measures 1”.	
	Time taken to perform “Copy Measures 1”.	
	Time taken to perform “Calculate impact of Update Measures 1”.	
	Time taken to perform “Update Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Measures 1”.	
	Time taken to perform “Release Unstable Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Calculate impact of Regulation Replacement 1”.	
	Time taken to perform “Regulation Replacement 1”.	
	Time taken to perform “Calculate impact of Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Measures 1”.	
	Time taken to perform “Delete Measures 1”.	

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
LIST OF TABLES	Ref: TARIC3-MAU-PTP

Test case	Measure	Time
	Time taken to perform “Calculate impact of Transfer Measures for a Regulation 1”.	
	Time taken to perform “Transfer Measures for a Regulation 1”	
	Time taken to perform “Calculate impact of Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a regulation 1”.	
	Time taken to perform “Copy Measures for a regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Calculate impact of Exclusion of Countries 1”.	
	Time taken to perform “Exclusion of Countries 1”.	
	Time taken to perform “Calculate impact of Close Measures for a Goods Code 1”.	
	Time taken to perform “Close Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a Goods Code 1”.	
	Time taken to perform “Copy Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Create Preferential Measures 1”.	
	Time taken to perform “Create Preferential Measures 1”.	
	Time taken to perform “Calculate impact of Close Measures 1”.	
	Time taken to perform “Close Measures 1”.	
Vol_003	Time taken to perform “Calculate impact of Copy Measures 1”.	
	Time taken to perform “Copy Measures 1”.	
	Time taken to perform “Calculate impact of Update Measures 1”.	
	Time taken to perform “Update Measures 1”.	
	Time taken to perform “Calculate impact of Release Unstable Measures 1”.	
	Time taken to perform “Release Unstable Measures 1”.	

Test case	Measure	Time
	Time taken to perform “Calculate impact of Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Release Unstable Goods Nomenclature 1”.	
	Time taken to perform “Calculate impact of Regulation Replacement 1”.	
	Time taken to perform “Regulation Replacement 1”.	
	Time taken to perform “Calculate impact of Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Close a Nomenclature Goods Code 1”.	
	Time taken to perform “Calculate impact of Delete Measures 1”.	
	Time taken to perform “Delete Measures 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Regulation 1”.	
	Time taken to perform “Transfer Measures for a Regulation 1”.	
	Time taken to perform “Calculate impact of Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Transfer Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a regulation 1”.	
	Time taken to perform “Copy Measures for a regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Deabrogation of a Base Regulation 1”.	
	Time taken to perform “Calculate impact of Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Deabrogation of a Modification Regulation 1”.	
	Time taken to perform “Calculate impact of Exclusion of Countries 1”.	
	Time taken to perform “Exclusion of Countries 1”.	
	Time taken to perform “Calculate impact of Close Measures for a Goods Code 1”.	
	Time taken to perform “Close Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Copy Measures for a Goods Code 1”.	
	Time taken to perform “Copy Measures for a Goods Code 1”.	
	Time taken to perform “Calculate impact of Create Preferential Measures 1”.	

Test case	Measure	Time
	Time taken to perform “Create Preferential Measures 1”.	
	Time taken to perform “Calculate impact of Close Measures 1”.	
	Time taken to perform “Close Measures 1”.	
Imp_001	Time taken to perform “Insert 1”	
	Time taken to perform “Insert 2”.	
	Time taken to perform “Insert 3”.	
	Time taken to perform “Update 1”.	
	Time taken to perform “Update 2”.	
	Time taken to perform “Update 3”.	
	Time taken to perform “Query 1”.	
	Time taken to perform “Query 2”.	
	Time taken to perform “Query 3”.	
	Time taken to perform “Delete 1”.	
	Time taken to perform “Delete 2”.	
	Time taken to perform “Delete 3”.	
Imp_002	Time taken to perform “Insert 1”.	
	Time taken to perform “Insert 2”.	
	Time taken to perform “Insert 3”.	
	Time taken to perform “Update 1”.	
	Time taken to perform “Update 2”.	
	Time taken to perform “Update 3”.	
	Time taken to perform “Query 1”.	
	Time taken to perform “Query 2”.	
	Time taken to perform “Query 3”.	
	Time taken to perform “Delete 1”.	
	Time taken to perform “Delete 2”.	
	Time taken to perform “Delete 3”.	
Imp_003	Time taken to perform “Insert 1”.	
	Time taken to perform “Insert 2”.	
	Time taken to perform “Insert 3”.	
	Time taken to perform “Update 1”.	
	Time taken to perform “Update 2”.	
	Time taken to perform “Update 3”.	
	Time taken to perform “Query 1”.	
	Time taken to perform “Query 2”.	
	Time taken to perform “Query 3”.	
	Time taken to perform “Delete 1”.	
	Time taken to perform “Delete 2”.	
	Time taken to perform “Delete 3”.	

Table 6: Test report form

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
ANNEX 1: COVERAGE TABLE	Ref: TARIC3-MAU-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 [\[TARIC3-MAU-PTS\]](#) document, and the second column the name of the related test case(s).

Test scenario	Test cases
TS001	Perf_001, Perf_002, Perf_003, Perf_003, Perf_004
TS002	Load_001, Load_002, Load_003, Load_004, Load_005, Load_006, Load_007, Load_008, Load_009, Load_010, Load_011, Load_012, Load_013, Load_014 Load_015 Load_016
TS003	Load_017, Load_018, Load_019, Load_020, Load_021, Load_022, Load_023, Load_024, Load_025
TS004	Vol_001, Vol_002, Vol_003
TS005	Imp_001, Imp_002, Imp_003

**Table 7 Coverage table**

TAXUD/A4 – TARIC3 - Mass Update – Performance Test Plan	
ANNEX 2: BACKGROUND ACTIVITY FILES TABLE	Ref: TARIC3-MAU-PTP

## ANNEX 2: BACKGROUND ACTIVITY FILES TABLE

This annex contains a table that describes which are the files used to simulate the TARIC3 CDCO background activity

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 4 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 4 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 4 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 4 queries Delete data inserted by user 5
<i>TARIC3_SRV_TST6.xml</i>	Simulate Background activity for the user 6 Do 10 times: Insert data for user 6 Update data inserted by user 6 Perform 4 queries Delete data inserted by user 6
<i>TARIC3_SRV_TST7.xml</i>	Simulate Background activity for the user 7 Do 10 times: 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>	Simulate Background activity for the user 8 Do 10 times: Insert data for user 8 Update data inserted by user 8

	Perform 4 queries Delete data inserted by user 8
<i>TARIC3_SRV_TST9.xml</i>	Simulate Background activity for the user 9 Do 10 times: Insert data for user 9 Update data inserted by user 9 Perform 4 queries Delete data inserted by user 9
<i>TARIC3_SRV_TST10.xml</i>	Simulate Background activity for the user 10 Do 10 times: Insert data for user 10 Update data inserted by user 10 Perform 4 queries Delete data inserted by user 10
<i>TARIC3_SRV_TST11.xml</i>	Simulate Background activity for the user 11 Do 10 times: Insert data for user 11 Update data inserted by user 11 Perform 4 queries Delete data inserted by user 11
<i>TARIC3_SRV_TST12.xml</i>	Simulate Background activity for the user 12 Do 10 times: Insert data for user 12 Update data inserted by user 12 Perform 4 queries Delete data inserted by user 12
<i>TARIC3_SRV_TST12.xml</i>	Simulate Background activity for the user 12 Do 10 times: Insert data for user 12 Update data inserted by user 12 Perform 4 queries Delete data inserted by user 12
<i>TARIC3_SRV_TST13.xml</i>	Simulate Background activity for the user 13 Do 10 times: Insert data for user 13 Update data inserted by user 13 Perform 4 queries Delete data inserted by user 13
<i>TARIC3_SRV_TST14.xml</i>	Simulate Background activity for the user 14 Do 10 times: Insert data for user 14 Update data inserted by user 14 Perform 4 queries Delete data inserted by user 14
<i>TARIC3_SRV_TST15.xml</i>	Simulate Background activity for the user 15 Do 10 times: Insert data for user 15 Update data inserted by user 15 Perform X queries Delete data inserted by user 15

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ANNEX 2: BACKGROUND ACTIVITY FILES TABLE	Ref: TARIC3-MAU-PTP

<i>TARIC3_SRV_TST16.xml</i>	<p>Simulate Background activity for the user 16</p> <p>Do 10 times:</p> <ul style="list-style-type: none"> <li>Insert data for user 16</li> <li>Update data inserted by user 16</li> <li>Perform 4 queries</li> <li>Delete data inserted by user 16</li> </ul>
<i>TARIC3_SRV_TST17.xml</i>	<p>Simulate Background activity for the user 17</p> <p>Do 10 times:</p> <ul style="list-style-type: none"> <li>Insert data for user 17</li> <li>Update data inserted by user 17</li> <li>Perform 4 queries</li> <li>Delete data inserted by user 17</li> </ul>
<i>TARIC3_SRV_TST18.xml</i>	<p>Simulate Background activity for the user 18</p> <p>Do 10 times:</p> <ul style="list-style-type: none"> <li>Insert data for user 18</li> <li>Update data inserted by user 18</li> <li>Perform 4 queries</li> <li>Delete data inserted by user 18</li> </ul>
<i>TARIC3_SRV_TST19.xml</i>	<p>Simulate Background activity for the user 19</p> <p>Do 10 times:</p> <ul style="list-style-type: none"> <li>Insert data for user 19</li> <li>Update data inserted by user 19</li> <li>Perform 4 queries</li> <li>Delete data inserted by user 19</li> </ul>
<i>TARIC3_SRV_TST20.xml</i>	<p>Simulate Background activity for the user 20</p> <p>Do 10 times:</p> <ul style="list-style-type: none"> <li>Insert data for user 20</li> <li>Update data inserted by user 20</li> <li>Perform 4 queries</li> <li>Delete data inserted by user 20</li> </ul>

**Table 8**Used files for the Background activity table