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Taxation and Customs Union DG

FITSDEV2 Project

Specifications, Development, Maintenance and Support of European IT Services in the area of taxation and excise

Subject:

TEDBv2 - Acceptance Test Specifications

(FITSDEV2-SC12-ATS-TEDBv2)

Framework Contract TAXUD/[Removed]

Specific contract Nr 12

Document History

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Table of Contents

1 Introduction 2
1.1 Objective of this Document 2
1.2 Intended Audience 2
1.3 Scope 2
1.4 Structure of this Document 2
1.5 Related Documents 2
1.5.1 Reference Documents 2
1.5.2 Applicable Documents 2
1.6 Document Conventions 2
1.7 Terminology 2
1.7.1 Abbreviations and Acronyms 2
1.7.2 Definitions 2
2 Test Plan 2
2.1 Test Infrastructure 2
2.1.1 Required software 2
2.1.2 Test Data 2
2.2 Test Categories 2
2.2.1 Common 2
2.2.2 Deployment 2
2.2.3 Security Management 2
2.2.4 Actions from States 2
2.2.5 Forms 2
2.2.6 Production Use Cases 2
2.2.7 Publication Use Cases 2
2.2.8 Dissemination Use Cases 2
2.2.9 Erroneous 2
2.2.10 Performance and Stress 2
2.3 Test Execution 2
2.3.1 Test Run summary 2
3 Requirements and Rules 2
3.1 Requirements 2
3.2 Rules 2
4 Test Cases 2
4.1 Common 2
4.1.1 Rules 2
4.1.2 Types 2
4.1.3 Additional Functionalities 2

4.2 Deployment....2
4.3 Security Management....2
4.4 Actions From States....2
4.4.1 Tax Workflow....2
4.4.2 Measure Workflow....2
4.4.3 Reform Workflow....2
4.4.4 Interaction between the Workflows....2
4.5 Forms....2
4.5.1 Common Forms....2
4.5.2 Production....2
4.5.3 Publication....2
4.5.4 Dissemination....2
4.6 Production Use Cases....2
4.6.1 Production....2
4.6.2 Validation....2
4.7 Publication Use Cases....2
4.7.1 Publication....2
4.7.2 Administration....2
4.8 Dissemination Use Cases....2
4.9 Erroneous....2
4.10 Performance and Stress....2
5 Annex I - Test Data....2
5.1 Test Database....2
5.1.1 Workflow Tests....2
5.1.1.1 Tax in the "NEW" state....2
5.1.1.2 Tax in the "CORRECTION" state....2
5.1.1.3 Tax in the "SENT" state....2
5.1.1.4 Tax in the "TO_BE_VALIDATED" state....2
5.1.1.5 Measure in the "CORRECTION" state....2
5.1.1.6 Measure in the "SENT" state....2
5.1.1.7 Tax from "BE"....2
5.1.2 Invalid Taxes....2
5.1.2.1 Tax violating the “filledIf(DFx=’No’ AND DFy=’No’)” rule....2
5.1.2.2 Tax with invalid "Year" format....2
5.1.3 Invalid Measures....2
5.1.3.1 Measure violating the “filledIf(DFx=’No’ AND DFy=’No’)” rule....2
5.2 Invalid "Total Tax Revenues" files....2
5.2.1 Invalid Year....2
5.2.2 Invalid Total Tax Revenue....2

5.3 Invalid "Gross Domestic Products" files 2
5.3.1 Invalid Year 2
5.3.2 Invalid Total Tax Revenue 2
5.4 Valid "Total Tax Revenues" file 2
5.5 Valid "Gross Domestic Products" file 2
5.6 JMeter configuration files 2
5.6.1 Installation Under Stress 2
5.6.2 Stressed Public Web Site 2

List of Tables

Table 1: Reference documents 2
Table 2: Applicable documents 2
Table 3: Abbreviations and acronyms 2
Table 4: List of definitions 2
Table 5: TCs template 2
Table 6: Test run summary 2
Table 7: Global Requirements 2
Table 8: Production Requirements 2
Table 9: Publication Requirements 2
Table 10: Dissemination Requirements 2
Table 11: Rules used in the forms 2
Table 12: TC-CP-1 test case 2
Table 13: TC-CP-2 test case 2
Table 14: TC-CP-3 test case 2
Table 15: TC-CP-4 test case 2
Table 16: TC-CP-5 test case 2
Table 17: TC-CP-6 test case 2
Table 18: TC-CP-7 test case 2
Table 19: TC-CP-8 test case 2
Table 20: TC-CP-9 test case 2
Table 21: TC-CP-10 test case 2
Table 22: TC-CP-11 test case 2
Table 23: TC-CP-12 test case 2
Table 24: TC-CP-13 test case 2
Table 25: TC-CP-14 test case 2
Table 26: TC-CP-15 test case 2
Table 27: TC-CP-16 test case 2
Table 28: TC-CP-17 test case 2
Table 29: TC-CP-18 test case 2
Table 30: TC-DEP-1 test case 2
Table 31: TC-DEP-2 test case 2
Table 32: TC-DEP-3 test case 2
Table 33: TC-DEP-4 test case 2
Table 34: TC-DEP-5 test case 2
Table 35: TC-SEC-1 test case 2
Table 36: TC-SEC-2 test case 2
Table 37: TC-SEC-3 test case 2

Table 38: TC-SEC-4 test case 2
Table 39: TC-SEC-5 test case 2
Table 40: TC-WF-1 test case 2
Table 41: TC-WF-2 test case 2
Table 42: TC-WF-3 test case 2
Table 43: TC-WF-4 test case 2
Table 44: TC-WF-5 test case 2
Table 45: TC-WF-6 test case 2
Table 46: TC-WF-7 test case 2
Table 47: TC-WF-8 test case 2
Table 48: TC-WF-9 test case 2
Table 49: TC-WF-10 test case 2
Table 50: TC-WF-11 test case 2
Table 51: TC-WF-12 test case 2
Table 52: TC-WF-13 test case 2
Table 53: TC-WF-14 test case 2
Table 54: TC-WF-15 test case 2
Table 55: TC-WF-16 test case 2
Table 56: TC-WF-17 test case 2
Table 57: TC-WF-18 test case 2
Table 58: TC-WF-19 test case 2
Table 59: TC-WF-20 test case 2
Table 60: TC-WF-21 test case 2
Table 61: TC-WF-22 test case 2
Table 62: TC-WF-23 test case 2
Table 63: TC-FO-1 test case 2
Table 64: TC-FO-2 test case 2
Table 65: TC-FO-3 test case 2
Table 66: TC-FO-4 test case 2
Table 67: TC-FO-5 test case 2
Table 68: TC-FO-6 test case 2
Table 69: TC-FO-7 test case 2
Table 70: TC-FO-8 test case 2
Table 71: TC-FO-9 test case 2
Table 72: TC-FO-10 test case 2
Table 73: TC-FO-11 test case 2
Table 74: TC-FO-12 test case 2
Table 75: TC-FO-13 test case 2
Table 76: TC-FO-14 test case 2

Table 77: TC-FO-15 test case....2
Table 78: TC-FO-16 test case....2
Table 79: TC-FO-17 test case....2
Table 80: TC-FO-18 test case....2
Table 81: TC-FO-19 test case....2
Table 82: TC-FO-20 test case....2
Table 83: TC-FO-21 test case....2
Table 84: TC-FO-22 test case....2
Table 85: TC-FO-23 test case....2
Table 86: TC-FO-24 test case....2
Table 87: TC-FO-25 test case....2
Table 88: TC-FO-26 test case....2
Table 89: TC-FO-27 test case....2
Table 90: TC-FO-28 test case....2
Table 91: TC-FO-29 test case....2
Table 92: TC-FO-30 test case....2
Table 93: TC-FO-31 test case....2
Table 94: TC-FO-32 test case....2
Table 95: TC-FO-33 test case....2
Table 96: TC-FO-34 test case....2
Table 97: TC-FO-35 test case....2
Table 98: TC-FO-36 test case....2
Table 99: TC-FO-37 test case....2
Table 100: TC-FO-38 test case....2
Table 101: TC-FO-39 test case....2
Table 102: TC-FO-40 test case....2
Table 103: TC-FO-41 test case....2
Table 104: TC-FO-42 test case....2
Table 105: TC-FO-43 test case....2
Table 106: TC-FO-44 test case....2
Table 107: TC-FO-45 test case....2
Table 108: TC-FO-46 test case....2
Table 109: TC-FO-47 test case....2
Table 110: TC-FO-48 test case....2
Table 111: TC-FO-49 test case....2
Table 112: TC-FO-50 test case....2
Table 113: TC-FO-51 test case....2
Table 114: TC-FO-52 test case....2
Table 115: TC-FO-53 test case....2

Table 116: TC-FO-54 test case 2
Table 117: TC-FO-55 test case 2
Table 118: TC-FO-56 test case 2
Table 119: TC-FO-57 test case 2
Table 120: TC-FO-58 test case 2
Table 121: TC-FO-59 test case 2
Table 122: TC-FO-60 test case 2
Table 123: TC-PRO-1 test case 2
Table 124: TC-PRO-2 test case 2
Table 125: TC-PRO-3 test case 2
Table 126: TC-PRO-4 test case 2
Table 127: TC-PRO-5 test case 2
Table 128: TC-PRO-6 test case 2
Table 129: TC-PRO-7 test case 2
Table 130: TC-PRO-8 test case 2
Table 131: TC-PRO-9 test case 2
Table 132: TC-PRO-10 test case 2
Table 133: TC-PRO-11 test case 2
Table 134: TC-PRO-12 test case 2
Table 135: TC-PRO-13 test case 2
Table 136: TC-PRO-14 test case 2
Table 137: TC-PRO-15 test case 2
Table 138: TC-PRO-16 test case 2
Table 139: TC-PRO-17 test case 2
Table 140: TC-PRO-18 test case 2
Table 141: TC-PRO-19 test case 2
Table 142: **TC-PRO-20** test case 2
Table 143: TC-PRO-21 test case 2
Table 144: TC-PRO-22 test case 2
Table 145: TC-PRO-23 test case 2
Table 146: TC-PRO-24 test case 2
Table 147: TC-PRO-25 test case 2
Table 148: TC-PRO-26 test case 2
Table 149: TC-PRO-27 test case 2
Table 150: TC-PRO-27 test case 2
Table 151: TC-PRO-29 test case 2
Table 152: TC-PRO-30 test case 2
Table 153: TC-PRO-31 test case 2
Table 154: TC-PRO-32 test case 2

Table 155: TC-PRO-33 test case 2
Table 156: TC-PRO-34 test case 2
Table 157: TC-PRO-35 test case 2
Table 158: TC-PRO-36 test case 2
Table 159: TC-PRO-37 test case 2
Table 160: TC-PRO-38 test case 2
Table 161: TC-PRO-39 test case 2
Table 162: TC-PRO-40 test case 2
Table 163: TC-PRO-41 test case 2
Table 164: TC-PRO-42 test case 2
Table 165: TC-PRO-43 test case 2
Table 166: TC-PRO-44 test case 2
Table 167: TC-PRO-38 test case 2
Table 168: TC-PRO-46 test case 2
Table 169: TC-PRO-47 test case 2
Table 170: TC-PRO-48 test case 2
Table 171: TC-PRO-49 test case 2
Table 172: TC-PRO-50 test case 2
Table 173: TC-PRO-51 test case 2
Table 174: TC-PRO-52 test case 2
Table 175: TC-PRO-53 test case 2
Table 176: **TC-PRO-54** test case 2
Table 177: TC-PRO-55 test case 2
Table 178: TC-PRO-56 test case 2
Table 179: TC-PRO-57 test case 2
Table 180: TC-PRO-58 test case 2
Table 181: TC-PRO-59 test case 2
Table 182: TC-PRO-60 test case 2
Table 183: TC-PRO-61 test case 2
Table 184: TC-PRO-62 test case 2
Table 185: TC-PRO-63 test case 2
Table 186: TC-PRO-64 test case 2
Table 187: TC-PRO-65 test case 2
Table 188: TC-PRO-66 test case 2
Table 189: TC-PRO-67 test case 2
Table 190: TC-PRO-68 test case 2
Table 191: TC-PRO-69 test case 2
Table 192: TC-PRO-70 test case 2
Table 193: TC-PRO-71 test case 2

Table 194: TC-PRO-72 test case 2
Table 195: TC-PUB-1 test case 2
Table 196: TC-PUB-2 test case 2
Table 197: TC-PUB-3 test case 2
Table 198: TC-PUB-4 test case 2
Table 199: TC-PUB-5 test case 2
Table 200: TC-PUB-6 test case 2
Table 201: TC-PUB-7 test case 2
Table 202: TC-PUB-8 test case 2
Table 203: TC-PUB-9 test case 2
Table 204: TC-PUB-10 test case 2
Table 205: TC-PUB-11 test case 2
Table 206: TC-PUB-12 test case 2
Table 207: TC-PUB-13 test case 2
Table 208: TC-PUB-14 test case 2
Table 209: TC-PUB-15 test case 2
Table 210: TC-PUB-16 test case 2
Table 211: TC-PUB-17 test case 2
Table 212: TC-PUB-18 test case 2
Table 213: TC-PUB-19 test case 2
Table 214: TC-PUB-20 test case 2
Table 215: TC-PUB-21 test case 2
Table 216: TC-PUB-22 test case 2
Table 217: TC-PUB-23 test case 2
Table 218: TC-PUB-24 test case 2
Table 219: TC-PUB-25 test case 2
Table 220: TC-PUB-26 test case 2
Table 221: TC-PUB-27 test case 2
Table 222: TC-PUB-28 test case 2
Table 223: TC-PUB-29 test case 2
Table 224: TC-PUB-30 test case 2
Table 225: TC-PUB-31 test case 2
Table 226: TC-PUB-32 test case 2
Table 227: TC-PUB-33 test case 2
Table 228: TC-PUB-34 test case 2
Table 229: TC-PUB-35 test case 2
Table 230: TC-PUB-36 test case 2
Table 231: TC-PUB-37 test case 2
Table 232: TC-PUB-38 test case 2

Table 233: TC-PUB-39 test case....2
Table 234: TC-PUB-40 test case....2
Table 235: TC-PUB-41 test case....2
Table 236: TC-PUB-42 test case....2
Table 237: TC-PUB-43 test case....2
Table 238: TC-PUB-44 test case....2
Table 239: TC-PUB-45 test case....2
Table 240: TC-PUB-33 test case....2
Table 241: TC-PUB-47 test case....2
Table 242: TC-PUB-48 test case....2
Table 243: TC-PUB-49 test case....2
Table 244: TC-PUB-50 test case....2
Table 245: TC-PUB-51 test case....2
Table 246: TC-PUB-52 test case....2
Table 247: TC-PUB-53 test case....2
Table 248: TC-PUB-54 test case....2
Table 249: TC-PUB-55 test case....2
Table 250: TC-PUB-56 test case....2
Table 251: TC-PUB-57 test case....2
Table 252: TC-PUB-58 test case....2
Table 253: TC-PUB-59 test case....2
Table 254: TC-PUB-60 test case....2
Table 255: TC-PUB-61 test case....2
Table 256: TC-PUB-62 test case....2
Table 257: TC-PUB-63 test case....2
Table 258: TC-PUB-64 test case....2
Table 259: TC-PUB-65 test case....2
Table 260: TC-PUB-66 test case....2
Table 261: TC-PUB-67 test case....2
Table 262: TC-PUB-68 test case....2
Table 263: TC-PUB-69 test case....2
Table 264: TC-PUB-70 test case....2
Table 265: TC-PUB-71 test case....2
Table 266: TC-PUB-72 test case....2
Table 267: TC-DIS-1 test case....2
Table 268: TC-DIS-2 test case....2
Table 269: TC-DIS-3 test case....2
Table 270: TC-DIS-4 test case....2
Table 271: TC-DIS-5 test case....2

Table 272: TC-DIS-6 test case....2
Table 273: TC-DIS-7 test case....2
Table 274: TC-DIS-8 test case....2
Table 275: TC-DIS-9 test case....2
Table 276: TC-DIS-10 test case....2
Table 277: TC-DIS-11 test case....2
Table 278: TC-DIS-12 test case....2
Table 279: TC-DIS-13 test case....2
Table 280: TC-DIS-14 test case....2
Table 281: TC-ERR-1 test case....2
Table 282: TC-ERR-2 test case....2
Table 283: TC-ERR-3 test case....2
Table 284: TC-ERR-4 test case....2
Table 285: TC-ERR-5 test case....2
Table 286: TC-ERR-6 test case....2
Table 287: TC-ERR-7 test case....2
Table 288: TC-ERR-8 test case....2
Table 289: TC-ERR-9 test case....2
Table 290: TC-ERR-10 test case....2
Table 291: TC-ERR-11 test case....2
Table 292: TC-ERR-12 test case....2
Table 293: TC-ERR-13 test case....2
Table 294: TC-ERR-14 test case....2
Table 295: TC-ERR-15 test case....2
Table 296: TC-ERR-16 test case....2
Table 297: TC-ERR-17 test case....2
Table 298: TC-ERR-18 test case....2
Table 299: TC-ERR-19 test case....2
Table 300: TC-ERR-20 test case....2
Table 301: TC-ERR-21 test case....2
Table 302: TC-ERR-22 test case....2
Table 303: TC-PERF-1 test case....2
Table 304: TC-PERF-2 test case....2
Table 305: TC-PERF-3 test case....2
Table 306: TC-PERF-4 test case....2
Table 307: TC-PERF-5 test case....2
Table 308: TC-PERF-6 test case....2
Table 309: TC-PERF-7 test case....2
Table 310: TC-PERF-8 test case....2

Table 311: TC-PERF-9 test case 2
Table 312: TC-PERF-10 test case 2
Table 313: TC-PERF-11 test case 2
Table 314: TC-PERF-12 test case 2

1 INTRODUCTION

1.1 OBJECTIVE OF THIS DOCUMENT

The aim of this document is to define the Acceptance Test Specifications (ATS) testing the adherence of the version 2 of Taxes in Europe Database (TEDBv2) to the Functional Specifications (FS) [R01] and to the Technical Specifications (TS) [R03].

The system is two-fold:

- To provide citizens, MS, Companies and any other institution or individual with access to the information on the TEDBv2 available on the Europa site, and to allow them to navigate, browse and search this information through the different documents;
- To ease and secure the process of production and publication for DG TAXUD.

1.2 INTENDED AUDIENCE

This document is aimed at:

- The authorities that are involved in the use of TEDBv2;
- The developers of the solution;
- The team supporting the testing process.

1.3 SCOPE

This document provides the functional ATS for TEDBv2.

1.4 STRUCTURE OF THIS DOCUMENT

This document is structured into the following chapters:

Chapter 1 **'Introduction'** includes the standard sections for the related documents, the document conventions and the terminology;

Chapter 2 **'Test Plan'** describes the test infrastructure, test categories and test execution;

Chapter 3 **'Requirements and Rules'** lists the requirements and technical rules to be tested and maps them to corresponding test cases;

Chapter 4 **'Test Cases'** defines the test cases;

Chapter 5 **'Annex I - Test Data'** specifies the test data for the test cases.

1.5 RELATED DOCUMENTS

1.5.1 REFERENCE DOCUMENTS

Ref.	Title	Reference	Version	Date

Ref.	Title	Reference	Version	Date
R01	TEDBv2 – Functional Specifications	FITSDEV2-SC12-FS-TEDBv2	1.08	20/10/2011
R02	Requirement Document for TEDB	FITSDEV-SC10-REQ- TEDB	1.03	18/02/2010
R03	TEDBv2 – Technical Specifications	FITSDEV2-SC12-TS-TEDBv2	1.07	21/10/2011
R04	TEDBv2 Data Migration Tool - Acceptance Test Specifications	FITSDEV2-SC04-ATS-TEDBv2-DMT	1.04	21/10/2010
R05	TEDBv2 – Installation Procedure Manual	FITSDEV2-SC04-IPM-TEDBv2	1.08	13/05/2011
R06	TEDBv2 – User Manual	FITSDEV2-SC12-UMN-TEDBv2	N/A	N/A

Table 1: Reference documents

1.5.2 APPLICABLE DOCUMENTS

Ref.	Title	Reference	Version	Date
A01	Framework Contract	TAXUD/[Removed]	N/A	15/09/2008
A02	Specific Contract n°12	TAXUD/2011/DE/115	N/A	01/07/2011
A03	Framework Quality Plan	FITSDEV2-SC01-FQP	1.01	06/04/2009
A04	Contract Quality Plan	FITSDEV2-SC12-CQP	1.00	29/09/2011

Table 2: Applicable documents

1.6 DOCUMENT CONVENTIONS

Reference documents are shown in brackets [].

In this document, the requirements levels are categorised according to the following terminology:

- **“Must Do”:** This is an absolute requirement of the specification;
- **“Should Do”:** This means that there may exist valid reasons in particular circumstances to ignore the requirement, but the full implications must be understood and carefully weighed before choosing a different course.

1.7 TERMINOLOGY

1.7.1 ABBREVIATIONS AND ACRONYMS

Acronym	Meaning
ATS	Acceptance Test Specifications
CCN	Common Communication Network
CF	Common Form
CPU	Central Processing Unit
DEP	Deployment
DF	Data Field

Acronym	Meaning
DG TAXUD	Directorate General – Taxation and Customs Union
DIS	Dissemination Use Cases
ECAS	European Commission Authentication Service
ERR	Erroneous
EU	European Union
FO	Forms
FS	Functional Specifications
GB	GigaByte
GDP	Gross Domestic Product
GHz	GigaHertz
ISO	International Organization for Standardization
IU	Internet User
LCMS	Local CCN Mail Server
MB	Mega Byte
MS	Member State
MSA	Member State Administration
MTA	Mail Transfer Agent
N/A	Not Applicable
PERF	Performance and Stress
PRO	Production use cases
PUB	Publication use cases
RAM	Random-Access Memory
RO	Read Only
SEC	Security Management
SQL	Structured Query Language
TC	Test Case
TEDB	Taxes in Europe DataBase
UIF	Unauthenticated Internet user Forms
WF	Workflow

Table 3: Abbreviations and acronyms

1.7.2 DEFINITIONS

Definition	Meaning
DG TAXUD/D4	A unit of DG TAXUD responsible for analysis and tax policies concerning the economic aspects of taxation.
TEDBv2	The second version of TEDB for which the requirements are defined in the Requirement Document for [R02].
Workflow	Transition of an object in several states depending on involved actors decisions.
Production section	A part of TEDBv2 consisting of private Web pages which require the user to be authenticated as a "Tax Encoder", a "Tax Checker" or a “Tax Encoder Checker”. its aim is to provide the user with the availability to encode tax descriptions and validate them at a Member State level..

Production interface	A part of the Production section consisting of private Web pages which require the user to be authenticated as a "Tax Encoder" or a “Tax Encoder Checker”. The authenticated user can validate tax descriptions of its Member State only.
Validation interface	A part of the Production section consisting of private Web pages which require the user to be authenticated as a "Tax Checker" or a “Tax Encoder Checker”. The authenticated user can create or update tax descriptions of its Member State only.
Publication section	A part of TEDBv2 consisting of private Web pages which require the user to be authenticated as a "Tax Publisher". Its aim is to provide the user with ability to publish the tax descriptions and to administrate TEDBv2.
Publication interface	A part of the Publication section consisting of private Web pages which require the user to be authenticated as a "Tax Publisher". The authenticated user can check, amend and publish tax descriptions.
Administration interface	A part of the Publication section consisting of private Web pages which require the user to be authenticated as a "Tax Publisher". The authenticated user can parameter the application and administrate the users.
Dissemination section	A part of TEDBv2 consisting of public Web pages which provide any Internet user with a read-only access to the encoded tax descriptions.
Tax Encoder	A group of users authorised to enter tax descriptions of a specific Member State.
Tax Checker	A group of users authorised to validate tax descriptions for a specific Member State.
Tax Encoder Checker	A group of users authorised to enter and validate tax descriptions of a specific Member State.
Tax Publisher	A group of users authorised to check, amend and publish tax descriptions, and to administrate the application.
Internet user	An unidentified person who uses the Internet in order to gather information about the taxes available in Europe.

Table 4: List of definitions

2 TEST PLAN

The testing of TEDBv2 comprises three steps:

1. Set-up of the test infrastructure as described in section 2.1;
2. Execution of the test cases (TCs) as described in section 2.2;
3. Production of the test report as described in section 2.3.

2.1 TEST INFRASTRUCTURE

2.1.1 REQUIRED SOFTWARE

The following software has to be installed on the workstation used for the test execution:

- An email client (e.g. Microsoft Outlook);
- Web browsers:
  - Internet Explorer 7;
  - Firefox 3.
- A stress tool: JMeter (http://jakarta.apache.org/jmeter/), or any other stress tool able to manage HTTP requests can be used to perform stress tests;
- A SQL Client (e.g. SQL*Plus, SQL Developer).

2.1.2 TEST DATA

Before performing the acceptance tests, the test data must be installed on the Web server. The initialisation can be performed with the SQL script annexed to this document by performing the following procedure:

- After the installation of the application, use an appropriate tool (e.g. SQL*Plus, SQL Developer) to open the file "InsertTestData.sql";
- Populate the database with test data by running each SQL statement in the same order as they are presented in the SQL script.

Many test cases require the tester authenticates to ECAS with a specific profile. The users below must be created in the ECAS server before performing the acceptance test:

- TaxEncoderBE – This user belongs to the group Tax Encoder and to the Member State "Belgium";
- TaxEncoderBE2 – This user belongs to the group Tax Encoder and to the Member State "Belgium";
- TaxCheckerBE – This user belongs to the group Tax Checker and to the Member State "Belgium";
- TaxEncoderCheckerBE – This user belongs to the group Tax Encoder Checker and to the Member State "Belgium";
- TaxEncoderAT – This user belongs to the group Tax Encoder and to the Member State "Austria";
- TaxCheckerAT – This user belongs to the group Tax Checker and to the Member State "Austria";
- TaxPublisher1 – This user belongs to the group Tax Publisher;
- TaxPublisher2 – This user belongs to the group Tax Publisher.

The way the users have to be encoded into ECAS depends on the ECAS server (a dedicated server or a mock-up) chosen to perform the acceptance tests.

2.2 TEST CATEGORIES

Multiple types of tests have to be performed to validate the proper execution of the application. This section describes the categories of tests to execute.

The TCs must be executed in the same order as described in this document. In case of contradiction with the prerequisites, the prerequisites prevail.

The data migration tests are described in the ATS of the Data Migration Tool [R04].

2.2.1 COMMON

The TCs in the “Common” section (4.1) are intended to test common functionalities of TEDBv2 or to be executed via test cases from section 4.5.1.

2.2.2 DEPLOYMENT

The TCs in the “Deployment” section (4.2) test that the application has been correctly installed.

2.2.3 SECURITY MANAGEMENT

The TCs in the “Security Management” section (4.3) test the authentication process of the application:

- Possibility of a user to authenticate;
- Access of an unauthenticated user denied in the private part of the application;
- Access of an unauthenticated user granted in the public part of the application.

2.2.4 ACTIONS FROM STATES

The TCs in the “Actions From States” section (4.4) test the “Tax”, “Measure” and “Reform” workflows: from each state of the workflow, the availability of the different actions is tested.

2.2.5 FORMS

The TCs in the “Forms” section (4.4.3) test the correct implementation of the validation rules for the fields of each form in the application.

2.2.6 PRODUCTION USE CASES

The TCs in the “Production Use Cases” section (4.6) test each scenario in the five “Production” use cases. The availability and the correct implementation of the different actions on the “Production” pages are tested.

2.2.7 PUBLICATION USE CASES

The TCs in the “Publication Use Cases” section (4.7) test each scenario in the nine “Publication” use cases. The availability and the correct implementation of the different actions on the “Publication” pages are tested.

2.2.8 DISSEMINATION USE CASES

The TCs in the “Dissemination Use Cases” section (4.8) test each scenario in the four “Dissemination” use cases. The availability and the correct implementation of the different actions on the “Dissemination” pages are tested.

2.2.9 ERRONEOUS

The TCs in the “Erroneous” section (4.9) test the behaviour of the application in case of erroneous data or actions. The tested application should display an understandable message to the user in these cases.

2.2.10 PERFORMANCE AND STRESS

The TCs in the “Performance and Stress” section (4.10) test the response time of the application, and its behaviour when it is submitted to a high number of requests.

2.3 TEST EXECUTION

TCs are presented in the following template:

Test Identifier	“Test id”
Test Purpose	“Gives the purpose of the test case and the use case defined in the FS, if applicable”
Priority	“Gives the priority of the test case”
Prerequisites	“Lists test case prerequisites”
Test Description	“Provides a detailed description of the test execution”

Table 5: TCs template

The priority of a test case can be:

- “Must”: if this TC fails, it is a major failure for the application;
- “Should”: if this TC fails, it is a minor failure for the application.

The priorities of the requirements to which the TC is linked (see section 3) are used to determine its priority. However, some requirements are tested by one of several whole sections of TCs. All TCs in these sections have not necessarily the same importance in testing the requirement; consequently the priority of those TCs is not the priority of the requirement but is determined by considering the impact of a failure of the TC on the requirement.

During the execution of the tests, the tester will compile all the TCs that will be executed. For each TC, the tester executes the test as defined in the description. When a single TC indicates more than one result, they must all match the expected results for the TC to be successful.

A failed TC does not imply the suspension of the test run. The tester must execute all TCs that are part of the test suite. However, some tests require the previous successful execution of other TCs.

A test case could require to check the log file. The information about it are described in the Installation Procedure Manual [R05].

2.3.1 TEST RUN SUMMARY

After the execution of all tests, a summary report is produced with the outcome of the tests run. The summary report contains, per test category:

- the number of tests;
- the number of passed tests;
- the number of failed tests;
- the number of tests not run.

Failed tests are differentiated according to the priority of the TCs (see 2.3). The summary report distinguishes between the different categories of test cases. The following template has to be used for the summary report:

Test Categories	Tests	Results			
		Passed	Failed (Must)	Failed (Should)	Not run
Additional Functionalities	**3**				
Deployment	**5**				
Security Management	**5**				
Actions From States	**23**				
Forms	**60**				
Production Use Cases	**72**				
Publication Use Cases	**74**				
Dissemination Use Cases	**14**				
Erroneous	**22**				
Performance and Stress	**12**				
Total	**290**	**0**	**0**	**0**	**0**

Table 6: Test run summary

3 REQUIREMENTS AND RULES

3.1 REQUIREMENTS

The following table contains the requirements and a mapping to the TCs by which they are covered. The table contains the following columns:

- "**Identifier**": contains the identifier of the requirement described in the Requirement Document for [R02];
- "**Test Cases**": indicates either the TCs IDs covering the requirement, or the sections concerned if the requirement is tested by one or several sections of TCs.

Some of the requirements are not in the scope of this ATS. It involves:

- Global business requirements: these requirements concern the business description of data stored in TEDBv2 and are implemented by the whole application. Therefore, it is not feasible to link a set of test cases to each one of these requirements;
- Technical requirements not managed by the application: these requirements regard the browser used to display the Web pages. This browser is a standard one and must have been validated before being used.

Identifier	Test Cases
Glob01	TCs in section 4.7
Glob02	TCs in section 4.4.2
Glob03	TCs in section 4.4.2
Glob04	TCs in section 4.4.2
Glob05	TCs in section 4.4.2
Glob06	TCs in section 4.5.3, especially TC-PRO-18
Glob07	TC-PUB-52 and TC-PUB-56
Glob08	TCs in section 4.5.3, especially TC-PRO-2 and TC-PRO-8
Glob09	TC-FO-53
Glob10	TC-FO-1 to TC-FO-9
Glob11	TC-PRO-1, TC-PUB-1, TC-PUB-2, TC-PUB-3 and TC-PUB-4
Glob12	TCs in sections 4.9 and 4.10
Glob14	TCs in sections 4.9 and 4.10
Glob18	TCs in sections 4.9 and 4.10
Glob20	TCs in section 4.1
Glob21	TCs in section 4.1
Glob23	TCs in section 4.3
Glob24	TCs in section Actions From States
Glob25	TCs in section Actions From States
Glob27	TCs in section 4.3

Table 7: Global Requirements

Identifier	Test cases
Prod01	TC-PRO-2
Prod02	TC-PRO-2
Prod03	TC-PRO-8
Prod04	TC-PRO-8, TC-PRO-16, TC-PRO-18, TC-PRO-21 and TC-PRO-23
Prod05	TC-WF-3, all TCs in section 4.6.2
Prod06	TC-FO-1 to TC-FO-18
Prod07	TCs in section 4.1
Prod08	TC-FO-1 to TC-FO-9
Prod09	TC-FO-22, TC-FO-31 and TC-FO-40
Prod10	TC-FO-22, TC-FO-31 and TC-FO-40
Prod11	TC-ERR-17 and TCs in section 4.4.3
Prod12	TC-FO-26
Prod13	TC-CP-7
Prod14	TC-CP-7
Prod15	TC-FO-50
Prod16	TC-FO-25
Prod17	TC-PRO-3, TC-PRO-9, TC-PRO-25 and TC-PRO-35
Prod18	TC-PUB-2, TC-PUB-3 and TC-PUB-4
Prod19	TC-PRO-7 and TC-PRO-8
Prod21	The TCs in section 4.10
Prod22	The TCs in section 4.10
Prod23	TC-PRO-2 and TC-PRO-8
Prod24	TC-PRO-3 and TC-PRO-11
Prod25	TC-SEC-1

Table 8: Production Requirements

Identifier	Test cases
Pub01	From TC-PUB-61 to TC-PUB-67
Pub02	All TCs in section Actions From States
Pub03	TC-PUB-61, TC-PUB-63, TC-ERR-4 and TC-ERR-5
Pub04	TC-PUB-61, TC-PUB-63, TC-ERR-4 and TC-ERR-5
Pub05	TCs in section 4.7.1
Pub06	TCs in section 4.10
Pub07	All TCs in section Actions From States
Pub08	TCs in section Actions From States

Identifier	Test cases
Pub09	TC-WF-8
Pub10	TC-SEC-4 and Actions From States

Table 9: Publication Requirements

Identifier	Test cases
Diss01	TCs in section 4.3
Diss02	TC-DIS-1 and TC-DIS-8
Diss03	TC-DIS-1 and TC-DIS-8
Diss04	TC-DIS-1 and TC-DIS-8
Diss05	TC-DIS-1 and TC-DIS-8
Diss06	TC-DIS-3 and TC-DIS-9
Diss07	TC-DIS-1 and TC-DIS-8
Diss08	TC-DIS-8
Diss09	TC-DIS-9
Diss10	TC-DIS-1 and TC-DIS-8
Diss11	TC-CP-12
Diss12	TC-FO-49
Diss13	TC-FO-50 and TC-FO-58
Diss14	All test cases in section 4.10
Diss15	All test cases in section 4.10
Diss16	TC-PRO-6
Diss17	Almost all test cases, especially TC-FO-1
Diss18	TC-DIS-1
Diss19	TC-SEC-5, TC-ERR-20 and TC-ERR-21
Diss20	TC-ERR-1 and TC-ERR-2

Table 10: Dissemination Requirements

3.2 RULES

The following table contains the rules and a mapping to the TCs by which their implementations are tested. The table contains the following columns:

- "**Rule ID**": contains the identifiers of the rules defined in the FS [R01];
- "**Test Cases**": indicates either the TCs IDs covering the testing of the rule, or the sections concerned if the rule is tested by one or several sections of TCs.

Rule ID	Test Cases
filledIf(DF_x='Yes')	TC-CP-4
filledIf(DF_x='No')	TC-CP-4

Rule ID	Test Cases
autoLastModificationDate()	TC-CP-1
availableIf(DF_x="Yes")	TC-FO-19
availableIf(DF_x is not empty)	TC-FO-29 and TC-FO-47
availableIfCurrent()	TC-CP-5
availableIfAtLeastOne(S_x)	TC-CP-3
onClick(PageX)	TC-FO-21, TC-FO-30, TC-FO-39 and TC-FO-51
defaultValue(aaa)	TC-FO-50
oneAndOnlyOne()	TC-CP-2
autoSum(S_x)	TC-CP-6

Table 11: Rules used in the forms

4 TEST CASES

4.1 COMMON

4.1.1 RULES

Test Identifier	**TC-CP-1**
Test Purpose	Test the implementation of the “autoLastModificationDate” rule.
Priority	Must
Prerequisites	-
Test Description	Check the status of the field to be tested. **Result:** The field is in read only, it is not possible to change its content. Check the content of the field to be tested. **Result:** The field contains today's date.

Table 12: TC-CP-1 test case

Test Identifier	**TC-CP-2**
Test Purpose	Test the implementation of the “oneAndOnlyOne” rule.
Priority	Must
Prerequisites	-
Test Description	Select the first field in the section to be tested. **Result:** Only the first field is selected. The other fields are unselected. Repeat for each field of the section on which the "oneAndOnlyOne" rule applies.

Table 13: TC-CP-2 test case

Test Identifier	**TC-CP-3**
Test Purpose	Test the implementation of the “availableIfAtLeastOne” rule.
Priority	Must
Prerequisites	-
Test Description	Select at least one field in the sections listed in the parameters of the rule. **Result:** The field to be tested is available. If the fields are not radio buttons, unselect them in the sections listed in the parameters of the rule. **Result:** The field to be tested is unavailable.

Table 14: TC-CP-3 test case

Test Identifier	**TC-CP-4**
Test Purpose	Test the implementation of the “availableIf” rule.
Priority	Must
Prerequisites	-
Test Description	Set the condition to true. **Result:** The field to be tested is available. Set the condition to false. **Result:** The field to be tested is unavailable.

Table 15: TC-CP-4 test case

Test Identifier	**TC-CP-5**
Test Purpose	Test the implementation of the “availableIfCurrent” rule.
Priority	Must
Prerequisites	-
Test Description	Tick the check box of the field to be tested. **Result:** The field to be tested is available. Untick the check box of the field to be tested. **Result:** The field to be tested is unavailable.

Table 16: TC-CP-5 test case

Test Identifier	**TC-CP-6**
Test Purpose	Test the implementation of the “autoSum” rule.
Priority	Must
Prerequisites	-
Test Description	Enter valid values in the fields in the sections in parameter of the rule. Save the tax. **Result:** The tax is saved. Go to the tax detail page. **Result:** The field to be tested contains the sum of the values inside the sections in parameter of the rule.

Table 17: TC-CP-6 test case

4.1.2 TYPES

Test Identifier	**TC-CP-7**
Test Purpose	Test the implementation of the “Free text” type (except "Generic tax name" , "Tax name in the national language(s)" and "Tax name in English").
Priority	Must
Prerequisites	-
Test Description	Click on the "Edit" button. **Result:** An advanced text field with a toolbar is displayed. Enter a free text in the field to be tested. Try to modify the formatting of the text entered (font, font size, bold, italic, underline,…). **Result:** The formatting of the text can be modified. Insert a table in the field to be tested. Add several rows and columns to the table. **Result:** The table is correctly displayed in the text field Enter some text and trigger the "Undo" button. **Result**: The latest entered text is removed. Copy some text from a Word document. Try to paste the text in the field to be tested. **Result:** It is possible to copy / paste text from a Word document. The formatting of the text is preserved (minor changes in the formatting are acceptable). Copy a table from a Word document. Paste the table in the field to be tested. **Result:** It is possible to copy / paste a table from a Word document. The formatting of the table is preserved (minor changes in the formatting are acceptable).

	Click on the "Close" button. **Result:** The advanced text field is removed, and the entered text is displayed in read only.

Table 18: TC-CP-7 test case

Test Identifier	**TC-CP-8**
Test Purpose	Test the implementation of the “Date” type.
Priority	Must
Prerequisites	-
Test Description	Select a date using the calendar of the field to be tested. **Result:** The selected date is displayed in “YYYY/MM/DD” format. Enter a valid date, e.g. “2007/12/10” in the field to be tested. Click on the "Save" button. **Result:** The field is valid. Enter an invalid date, e.g.”4434523dsf” in the field to be tested. **Result:** It is not possible to input characters different from 0-9 and "/", except by copy/paste. Empty the field to be tested. Click on the "Save" button. **Result:** If the field is mandatory, an error message is displayed. Enter “2006/02/29” in the field to be tested. Click on the "Save" button. **Result:** The field is invalid, an error message is displayed. Enter “2006/13/13” in the field to be tested. Click on the "Save" button. **Result:** The field is invalid, an error message is displayed.

Table 19: TC-CP-8 test case

Test Identifier	**TC-CP-9**
Test Purpose	Test the implementation of the “One MS Country ISO” type.
Priority	Must
Prerequisites	-
Test Description	Open the drop-down list of the field to be tested and check the displayed countries. **Result:** The list contains the ISO code and the name of each MS country, separated by “-“. Try to select several items simultaneously in the field to be tested. **Result:** It is only possible to select one item.

Table 20: TC-CP-9 test case

Test Identifier	**TC-CP-10**
Test Purpose	Test the implementation of the “Yes/No” type.
Priority	Must
Prerequisites	-
Test Description	Check the possible values for the field to be tested. **Result:** The field can only be checked or unchecked. It can be implemented by a radio button or by a check box depending on the rules which apply to it.

Table 21: TC-CP-10 test case

Test Identifier	**TC-CP-11**
Test Purpose	Test the implementation of the “Amount” type.
Priority	Must
Prerequisites	-
Test Description	If applicable, open the drop-down list for the currency in the field to be tested and check the displayed currencies. **Result:** The drop-down list contains only EU currencies. If applicable, set the drop-down list for the currency to “GBP”. Enter “123.45” into the field to be tested. Click on the "Save" button. **Result:** The field is valid. Enter “0” into the field to be tested. Click on the "Save" button. **Result:** The field is valid, the displayed value is “0.00”. Enter “0.7” into the field to be tested. Click on the "Save" button. **Result:** The field is valid, the displayed value is “0.70”. Enter “123,45” into the field to be tested. Click on the "Save" button. **Result:** The field is invalid, an error message is displayed, the invalid value is kept into the field. Enter “1235.5622” into the field to be tested. Click on the "Save" button. **Result:** The field is valid and the value is rounded to have only 2 decimal. Enter “test123” into the field to be tested. Click on the "Save" button. **Result:** The field is invalid, an error message is displayed, the invalid value is kept into the field.

	Enter “test” into the field to be tested. Click on the "Save" button. **Result:** The field is invalid, an error message is displayed, the invalid value is kept into the field. Enter “-123” into the field to be tested. Click on the "Save" button. **Result:** The field is valid.

Table 22: TC-CP-11 test case

Test Identifier	**TC-CP-12**
Test Purpose	Test the implementation of the “Rate” type.
Priority	Must
Prerequisites	-
Test Description	Enter “123.45” into the field to be tested. Click on the "Save" button. **Result:** The field is valid. Enter “0” into the field to be tested. Click on the "Save" button. **Result:** The field is valid, the displayed value is “0.00”. Enter “0.7” into the field to be tested. Click on the "Save" button. **Result:** The field is valid, the displayed value is “0.70”. Enter “-123.45” into the field to be tested. Click on the "Save" button. **Result:** The field is valid. Enter “1235.5622” into the field to be tested. Click on the "Save" button. **Result:** The field is valid and the value is rounded to have only 2 decimal.. Enter “test123” into the field to be tested. Click on the "Save" button. **Result:** The field is invalid, an error message is displayed, the invalid value is kept into the field. Enter “test” into the field to be tested. Click on the "Save" button. **Result:** The field is invalid, an error message is displayed, the invalid value is kept into the field.

	Enter “-123” into the field to be tested. Click on the "Save" button. **Result:** The field is valid.

Table 23: TC-CP-12 test case

Test Identifier	**TC-CP-13**
Test Purpose	Test the implementation of the “Year” type.
Priority	Must
Prerequisites	-
Test Description	Enter “1953” into the field to be tested. Click on the "Save" button. **Result:** The field is valid. Enter “2083” into the field to be tested. Click on the "Save" button. **Result:** The field is valid. Enter “1999.5622” into the field to be tested. Click on the "Save" button. **Result:** The field is invalid, an error message is displayed, the invalid value is kept into the field. Enter “1999,5622” into the field to be tested. Click on the "Save" button. **Result:** The field is invalid, an error message is displayed, the invalid value is kept into the field. Enter “test123” into the field to be tested. Click on the "Save" button. **Result:** The field is invalid., an error message is displayed, the invalid value is kept into the field. Enter “-1999” into the field to be tested. **Result:** It is not possible to enter “-“ into the field.

Table 24: TC-CP-13 test case

Test Identifier	**TC-CP-14**
Test Purpose	Test the implementation of the “RateForAmounts” type.
Priority	Must
Prerequisites	-
Test Description	Check the elements of the field to be tested. **Result:** The field is made up of two "Amount" fields and one "Rate" field. Run TC-CP-11 for both "Amount" fields. Run TC-CP-12 for the "Rate" field.

Table 25: TC-CP-14 test case

Test Identifier	**TC-CP-15**
Test Purpose	Test the implementation of the repeatable parts.
Priority	Must
Prerequisites	-
Test Description	Check the elements of the field to be tested. **Result:** There is a “Add” button (with the label “+”) and a "Remove" button (with the label "-") after the repeatable section. Trigger the “Add” button. **Result:** The section is repeated. If the items are numbered, the numbering correctly increases. Trigger the “Add” button. **Result:** The section is repeated. If the items are numbered, the numbering correctly increases. Trigger the “Remove” buttons on the two added sections. **Result:** The added sections are removed.

Table 26: TC-CP-15 test case

4.1.3 ADDITIONAL FUNCTIONALITIES

Test Identifier	**TC-CP-16**
Test Purpose	Test the integration of the private FAQ.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Click on the "FAQ" hyperlink in the header. **Result:** The "FAQ" Web page is displayed. This list is adapted according to the user profile, as defined in the User Manual ([R06]). Repeat the test with the user authenticated as “Tax Encoder Checker” and “Tax Publisher”.

Table 27: TC-CP-16 test case

Test Identifier	**TC-CP-17**
Test Purpose	Test the integration of the public FAQ.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site.
Test Description	Click on the "FAQ" hyperlink in the header. **Result:** The "FAQ" Web page is displayed.

Table 28: TC-CP-17 test case

Test Identifier	**TC-CP-18**
Test Purpose	Test the integration of the Summary Box.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Go to the "Home Page" of the Production section. **Result:** The "Summary Box” is displayed on the page, giving an overview of the actions performed since the beginning of the current year (as defined in the User Manual [R06]). Repeat the test with the user authenticated as “Tax Encoder Checker” and “Tax Publisher”.

Table 29: TC-CP-18 test case

4.2 DEPLOYMENT

Test Identifier	**TC-DEP-1**
Test Purpose	Test the deployment of the application for an Internet user.
Priority	Must
Prerequisites	The application is installed. The test data have been uploaded to the database.
Test Description	Go to the "Home Page" of the Dissemination section with Internet Explorer 7. **Result:** The "Home Page" of the Dissemination section is displayed without error message. Repeat with Firefox 3.

Table 30: TC-DEP-1 test case

Test Identifier	**TC-DEP-2**
Test Purpose	Test the deployment of the application for a Tax Encoder.
Priority	Must
Prerequisites	The application is installed. The test data have been uploaded to the database. The user is logged in ECAS with a Tax Encoder account.
Test Description	Go to the "Home Page" of the Production interface with Internet Explorer 7. **Result:** The "Home Page" of the Production interface is displayed without error message and without a link to the "Home Page" of the Validation interface. Repeat with Firefox 3.

Table 31: TC-DEP-2 test case

Test Identifier	**TC-DEP-3**
Test Purpose	Test the deployment of the application for a Tax Checker.
Priority	Must
Prerequisites	The application is installed. The test data have been uploaded to the database. The user is logged in ECAS with a Tax Checker account.
Test Description	Go to the "Home Page" of the Validation interface with Internet Explorer 7. **Result:** The "Home Page" of the Validation interface is displayed without error message and without a link to the "Home Page" of the Production interface. Repeat with Firefox 3.

Table 32: TC-DEP-3 test case

Test Identifier	**TC-DEP-4**
Test Purpose	Test the deployment of the application for a Tax Encoder Checker.
Priority	Must
Prerequisites	The application is installed. The test data have been uploaded to the database. The user is logged in ECAS with a Tax Encoder Checker account.
Test Description	Go to the "Home Page" of the Production interface with Internet Explorer 7. **Result:** The "Home Page" of the Production interface is displayed without error message and with a link to the "Home Page" of the Validation interface. Go to the "Home Page" of the Validation interface with Internet Explorer 7. **Result:** The "Home Page" of the Validation interface is displayed without error message and with a link to the "Home Page" of the Production interface. Repeat with Firefox 3.

Table 33: TC-DEP-4 test case

Test Identifier	**TC-DEP-5**
Test Purpose	Test the deployment of the application for a Tax Publisher.
Priority	Must
Prerequisites	The application is installed. The test data have been uploaded to the database. The user is logged in ECAS with a Tax Publisher account.
Test Description	Go to the "Home Page" of the Publication interface with Internet Explorer 7. **Result:** The "Home Page" of the Publication interface is displayed without error message. Repeat with Firefox 3.

Table 34: TC-DEP-5 test case

4.3 SECURITY MANAGEMENT

Test Identifier	**TC-SEC-1**
Test Purpose	Test the correct authentication as a “Tax Encoder”.
Priority	Must
Prerequisites	The user is not authenticated to the application.
Test Description	Go to the "Home Page" of the Production interface (%TEDB_ROOT%/private/homeMsa.html). **Result:** The user is redirected to the authentication page of ECAS. Enter a valid “Tax Encoder” login and password: TaxEncoderBE. **Result:** The authentication is successful. The “Home Page" of the Production interface is displayed. Go to the tax details of a tax from BE (%TEDB_ROOT%/private/editProductionTaxForm.html?id=**[ID of the Tax]**&taxType=**[Type of the Tax]**). The values in bold are parameters that should be replaced with: • The ID of an existing tax for BE; • The type of this existing tax. **Result:** The tax details are correctly displayed. Go to the tax details of a tax from AT (%TEDB_ROOT%/private/editProductionTaxForm.html?id=**[ID of the Tax]**&taxType=**[Type of the Tax]**). The values in bold are parameters that should be replaced with: • The ID of an existing tax for AT; • The type of this existing tax. **Result:** An error message is displayed regarding the unauthorised access to a Web page. The unauthorised operation is logged. Go to the "Home Page" of the Dissemination section (%TEDB_ROOT%/taxSearch.html). **Result:** The Web page can be accessed.

	Go to the "Home Page" of the Validation interface (%TEDB_ROOT%/private/homeMsaValidator.html). **Result:** An error message is displayed regarding the unauthorised access to a Web page. The unauthorised operation is logged. Go to the "Home Page" of the Publication section (%TEDB_ROOT%/private/homeTaxud.html). **Result:** An error message is displayed regarding the unauthorised access to a Web page. The unauthorised operation is logged.

Table 35: TC-SEC-1 test case

Test Identifier	**TC-SEC-2**
Test Purpose	Test the correct authentication as a “Tax Checker”.
Priority	Must
Prerequisites	The user is not authenticated to the application.
Test Description	Go to the "Home Page" of the Validation interface (%TEDB_ROOT%/private/homeMsaValidator.html). **Result:** The user is redirected to the authentication page of ECAS. Enter a valid “Tax Checker” login and password: TaxCheckerBE. **Result:** The authentication is successful. The “Home Page" of the Validation interface is displayed. Go to the tax details of a tax from BE (%TEDB_ROOT%/private/editProductionTaxForm.html?id=**[ID of the Tax]**&taxType=**[Type of the Tax]**). The values in bold are parameters that should be replaced with: • The ID of an existing tax for BE; • The type of this existing tax. **Result:** The tax details are correctly displayed. Go to the tax details of a tax from AT (%TEDB_ROOT%/private/editProductionTaxForm.html?id=**[ID of the Tax]**&taxType=**[Type of the Tax]**). The values in bold are parameters that should be replaced with: • The ID of an existing tax for AT; • The type of this existing tax. **Result:** An error message is displayed regarding the unauthorised access to a Web page. The unauthorised operation is logged. Go to the "Home Page" of the Dissemination section (%TEDB_ROOT%/taxSearch.html). **Result:** The Web page can be accessed. Go to the "Home Page" of the Production interface (%TEDB_ROOT%/private/homeMsa.html).

	Result: An error message is displayed regarding the unauthorised access to a Web page. The unauthorised operation is logged. Go to the "Home Page" of the Publication section (%TEDB_ROOT%/private/homeTaxud.html). **Result:** An error message is displayed regarding the unauthorised access to a Web page. The unauthorised operation is logged.

Table 36: TC-SEC-2 test case

Test Identifier	**TC-SEC-3**
Test Purpose	Test the correct authentication as a “Tax Encoder Checker”.
Priority	Must
Prerequisites	The user is not authenticated to the application.
Test Description	Go to the "Home Page" of the Production interface (%TEDB_ROOT%/private/homeMsa.html). **Result:** The user is redirected to the authentication page of ECAS. Enter a valid “Tax Encoder Checker” login and password: TaxEncoderCheckerBE. **Result:** The authentication is successful. The “Home Page" of the Production interface is displayed. Go to the tax details of a tax from BE (%TEDB_ROOT%/private/editProductionTaxForm.html?id=**[ID of the Tax]**&taxType=**[Type of the Tax]**). The values in bold are parameters that should be replaced with: • The ID of an existing tax for BE; • The type of this existing tax. **Result:** The tax details are correctly displayed. Go to the tax details of a tax from AT (%TEDB_ROOT%/private/editProductionTaxForm.html?id=**[ID of the Tax]**&taxType=**[Type of the Tax]**). The values in bold are parameters that should be replaced with: • The ID of an existing tax for AT; • The type of this existing tax. **Result:** An error message is displayed regarding the unauthorised access to a Web page. The unauthorised operation is logged. Go to the "Home Page" of the Dissemination section (%TEDB_ROOT%/taxSearch.html). **Result:** The Web page can be accessed. Go to the "Home Page" of the Validation interface

	(%TEDB_ROOT%/private/homeMsaValidator.html). **Result:** The “Home Page" of the Validation interface is displayed. Go to the "Home Page" of the Publication section (%TEDB_ROOT%/private/homeTaxud.html). **Result:** An error message is displayed regarding the unauthorised access to a Web page. The unauthorised operation is logged.

Table 37: TC-SEC-3 test case

Test Identifier	**TC-SEC-4**
Test Purpose	Test the correct authentication as a “Tax Publisher”.
Priority	Must
Prerequisites	The user is not authenticated to the application.
Test Description	Go to the "Home Page" of the Publication section (%TEDB_ROOT%/private/homeTaxud.html). **Result:** The user is redirected to the authentication page of ECAS. Enter a valid “Tax Publisher” login and password. **Result:** The authentication is successful. The "Home Page" of the Publication section is displayed. Go to the tax details of a tax from BE (%TEDB_ROOT%/private/editProductionTaxForm.html?id=**[ID of the Tax]**&taxType=**[Type of the Tax]**). The values in bold are parameters that should be replaced with: • The ID of an existing tax for BE; • The type of this existing tax. **Result:** The tax details are correctly displayed. Go to the tax details of a tax from AT (%TEDB_ROOT%/private/editProductionTaxForm.html?id=**[ID of the Tax]**&taxType=**[Type of the Tax]**). The values in bold are parameters that should be replaced with: • The ID of an existing tax for AT; • The type of this existing tax. **Result:** The tax details are correctly displayed. Go to the "Home Page" of the Dissemination section (%TEDB_ROOT%/taxSearch.html). **Result:** The Web page can be accessed. Go to the "Home Page" of the Production interface (%TEDB_ROOT%/private/homeMsa.html). **Result:** An error message is displayed regarding the unauthorised access to a

	Web page. The unauthorised operation is logged. Go to the "Home Page" of the Validation interface (%TEDB_ROOT%/private/homeMsaValidator.html). **Result:** An error message is displayed regarding the unauthorised access to a Web page. The unauthorised operation is logged.

Table 38: TC-SEC-4 test case

Test Identifier	**TC-SEC-5**
Test Purpose	Test the access to the Web pages of the Dissemination section when the user is not authenticated.
Priority	Must
Prerequisites	The user is unauthenticated on the TEDBv2 Web site.
Test Description	Go to the "Home Page" of the Dissemination section (%TEDB_ROOT%/taxSearch.html). **Result:** The Web page can be accessed.

Table 39: TC-SEC-5 test case

4.4 ACTIONS FROM STATES

4.4.1 TAX WORKFLOW

Test Identifier	**TC-WF-1**
Test Purpose	Check the available actions when a new tax is created.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Go to the "Home Page" of the Production section. Click on the "Create Tax" button. **Result:** The "selectTaxType" Web page is displayed. Choose a tax type and click on the "Next" button. **Result:** The "Create Tax Form" Web page is displayed and the following actions are available: • "Cancel"; • "Save"; • "Submit". The timeline displayed at the top of the form indicates that the workflow is at the creation step. Repeat the test with the user authenticated as “Tax Encoder Checker”.

Table 40: TC-WF-1 test case

Test Identifier	**TC-WF-2**
Test Purpose	Check the available actions when a tax is in "DRAFT" state.
Priority	Must
Prerequisites	The user is authenticated as “TaxEncoderAT”.
Test Description	Go to the "Home Page" of the Production section. In the "Taxes Under Progress List", click on the tax described in section 5.1.1.2. **Result:** The "Tax Form" Web page is displayed and the following actions are available: • "Cancel"; • "Save"; • "Submit"; • "Delete". The timeline displayed at the top of the form indicates that the workflow is at the creation or update step.

Table 41: TC-WF-2 test case

Test Identifier	**TC-WF-3**
Test Purpose	Check the available actions when a tax is in "TO BE VALIDATED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Checker”. Some taxes have been submitted by a "Tax Encoder".
Test Description	Go to the "Home Page" of the Validation interface. **Result:** The taxes submitted by the "Tax Encoder" are visible in the "Taxes waiting validation" table. Click on a tax in the table. **Result:** The tax details are displayed and the following actions are available: • "Submit to DG Taxud"; • "Reject Tax"; • “Display Measure”, when applicable. The timeline displayed at the top of the form indicates that the workflow is at the MSA Validation step. Repeat the test with the user authenticated as “Tax Encoder Checker”.

Table 42: TC-WF-3 test case

Test Identifier	**TC-WF-4**
Test Purpose	Check the available actions when a tax is in "SENT" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”.
Test Description	Go to the "Home Page" of the Publication section. **Result:** The taxes validated by the "Tax Checker" are visible in one of the tables. Click on a tax in the tables. **Result:** The tax details are displayed and the following actions are available at the end of the page: • “Cancel”; • "Amend Tax"; • "Accept Tax"; • "Reject Tax"; • “Display Measure”, when applicable. The timeline displayed at the top of the form indicates that the workflow is at the DG TAXUD Validation step.

Table 43: TC-WF-4 test case

Test Identifier	**TC-WF-5**
Test Purpose	Check the available actions when a tax is in "NOT ACCEPTED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”. The test case TC-WF-4 is executed.
Test Description	Click on the "Amend Tax" button. **Result:** The following actions are available: • "Accept Tax"; • “Reject Tax”; • “Cancel"; • "Save"; • “Display Measure”, when applicable. The timeline displayed at the top of the form indicates that the workflow is at the DG TAXUD Validation step.

Table 44: TC-WF-5 test case

Test Identifier	**TC-WF-6**
Test Purpose	Check the available actions when a tax is in "AMENDED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”. The test case TC-WF-4 is executed.
Test Description	Click on the "Amend Tax" button. **Result:** The following actions are available: • "Cancel"; • "Save"; • "Accept Tax"; • “Display Measure”, when applicable. The timeline displayed at the top of the form indicates that the workflow is at the DG TAXUD Validation step.

Table 45: TC-WF-6 test case

Test Identifier	**TC-WF-7**
Test Purpose	Check the available actions when a tax is in "PUBLISHED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”. The test case TC-WF-4 is executed.
Test Description	Click on the "Accept Tax" button. **Result**: The following actions are available: • "Cancel"; • “Publish”. Click on “Publish” in the confirmation dialog. **Result:** No action on the tax is available.

Table 46: TC-WF-7 test case

4.4.2 MEASURE WORKFLOW

Test Identifier	**TC-WF-8**
Test Purpose	Check the available actions when a measure is created.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Go to the "Home Page" of the Production section. Click on the "Modify Tax" link. **Result:** The "Search Tax" Web page is displayed. Click on the "Search" button and click on a returned tax. **Result:** The "Tax Details" Web page is displayed. Click on the " Reform Tax " button. **Result:** A popup is displayed asking the user to confirm the action. Click on “Reform”. **Result:** The "Search Reform for Measure Creation" Web page is displayed. Click on the "Create Reform" button. **Result:** The "Create Reform Form" Web page is displayed. Enter a name and a valid date for the new reform and click on the "Create Reform" button. **Result**: The "Create Measure Form" is displayed and the following actions are available: • "Cancel"; • "Save"; • “Submit”. The timeline displayed at the top of the form indicates that the workflow is at the creation step. Repeat the test with the user authenticated as “Tax Encoder Checker”.

Table 47: TC-WF-8 test case

Test Identifier	**TC-WF-9**
Test Purpose	Check the available actions when a measure is in "DRAFT" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Go to the "Home Page" of the Production section. Click on a measure in the "Measures Under Progress" table. **Result:** The "Measure Form" Web page is displayed and the following actions are available at the end of the Web page: • "Cancel"; • “Delete”; • "Save"; • "Submit"; • "Display Tax", when applicable. The timeline displayed at the top of the form indicates that the workflow is at the creation or update step. Repeat the test with the user authenticated as “Tax Encoder Checker”.

Table 48: TC-WF-9 test case

Test Identifier	**TC-WF-10**
Test Purpose	Check the available actions when a measure is in "TO BE VALIDATED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Checker”. Some measures have been updated and submitted by a "Tax Encoder".
Test Description	Go to the "Home Page" of the Validation interface. **Result:** The measures submitted by the "Tax Encoder" are visible in the "Taxes waiting validation" table. Click on a measure in the table. **Result:** The measure details are displayed and the following actions are available at the end of the page: • "Submit to DG Taxud"; • "Reject Measure"; • “Display Tax”, when applicable. The timeline displayed at the top of the form indicates that the workflow is at the MSA Validation step. Repeat the test with the user authenticated as “Tax Encoder Checker”.

Table 49: TC-WF-10 test case

Test Identifier	**TC-WF-11**
Test Purpose	Check the available actions when a measure is in "SENT" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”.
Test Description	Go to the "Home Page" of the Publication section. Click on a measure in the table. **Result:** The following actions are available next to the measure described in section 5.1.1.6: • “Cancel”; • "Accept Measure"; • "Amend Measure"; • "Reject Measure"; • “Display Tax”, when applicable. The timeline displayed at the top of the form indicates that the workflow is at the DG TAXUD Validation step.

Table 50: TC-WF-11 test case

Test Identifier	**TC-WF-12**
Test Purpose	Check the available actions when a measure is in "SENT" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”. The test case TC-WF-11 is executed.
Test Description	Click on the "Reject Measure" button. **Result:** The following actions are available: • "Cancel"; • "Submit". The timeline displayed at the top of the form indicates that the workflow is at the DG TAXUD Validation step.

Table 51: TC-WF-12 test case

Test Identifier	**TC-WF-13**
Test Purpose	Check the available actions when a measure is in "AMENDED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”. The test case TC-WF-11 is executed.
Test Description	Click on the "Amend Measure" button. **Result:** The following actions are available: • "Cancel"; • "Save"; • "Accept Measure"; • “Reject Measure”; • Possibly "Display Tax". The timeline displayed at the top of the form indicates that the workflow is at the DG TAXUD Validation step.

Table 52: TC-WF-13 test case

Test Identifier	**TC-WF-14**
Test Purpose	Check the available actions when a measure is in "PUBLISHED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”. The test case TC-WF-11 is executed.
Test Description	Click on the "Accept Measure" button. **Result**: The following actions are available: • "Cancel"; • “Publish”. Click on the “Publish” button in the confirmation dialog. **Result:** No action on the measure is available.

Table 53: TC-WF-14 test case

4.4.3 REFORM WORKFLOW

Test Identifier	**TC-WF-15**
Test Purpose	Check the available actions when a reform is created.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Go to the "Home Page" of the Production section. Click on the "Modify Tax" link. **Result:** The "Search Tax" Web page is displayed. Click on the "Search" button and click on a returned tax. **Result:** The "Tax Details" Web page is displayed. Click on the " Reform Tax " button. **Result:** A popup is displayed asking the user to confirm the action. Click on “’Yes”. **Result:** The "Search Reform for Measure Creation" Web page is displayed. Click on the "Create Reform" button. **Result:** The "Create Reform Form" Web page is displayed and the following actions are available: • "Cancel"; • "Save"; • "Submit". The timeline displayed at the top of the form indicates that the workflow is at the creation step. Enter a name and a valid date for the new reform and click on the "Save" button. **Result**: The "Create Measure Form" is displayed and the following actions are available: • "Cancel";

	• "Save"; • "Submit". The timeline displayed at the top of the form indicates that the workflow is at the creation step. Repeat the test with the user authenticated as “Tax Encoder Checker”.

Table 54: TC-WF-15 test case

Test Identifier	**TC-WF-16**
Test Purpose	Check the available actions when a reform is in "DRAFT" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Go to the "Home Page" of the Production section. Click on a reform in the "Reforms Under Progress" table. **Result:** The "Reform Form" Web page is displayed and the following actions are available at the end of the Web page: • "Cancel"; • “Delete” (only for reforms that have no measure attached); • "Save"; • "Submit". The timeline displayed at the top of the form indicates that the workflow is at the creation / update step. Repeat the test with the user authenticated as “Tax Encoder Checker”.

Table 55: TC-WF-16 test case

Test Identifier	**TC-WF-17**
Test Purpose	Check the available actions when a reform is in "TO BE VALIDATED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Checker”. Some reforms have been updated and submitted by a "Tax Encoder".
Test Description	Go to the "Home Page" of the Validation interface. **Result:** The reforms submitted by the "Tax Encoder" are visible in the "Reforms waiting validation" table. Click on a reform in the table. **Result:** The reform details are displayed and the following actions are available at the end of the page: • "Submit to DG Taxud"; • "Reject reform". The timeline displayed at the top of the form indicates that the workflow is at the MSA Validation step. Repeat the test with the user authenticated as “Tax Encoder Checker”.

Table 56: TC-WF-17 test case

Test Identifier	**TC-WF-18**
Test Purpose	Check the available actions when a reform is in "SENT" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”.
Test Description	Go to the "Home Page" of the Publication section. Click on a reform in the table. **Result:** The following actions are available next to the reform described in section 5.1.1.6: • “Cancel”; • "Accept Reform "; • "Amend Reform "; • "Reject Reform ". The timeline displayed at the top of the form indicates that the workflow is at the DG TAXUD Validation step.

Table 57: TC-WF-18 test case

Test Identifier	**TC-WF-19**
Test Purpose	Check the available actions when a reform is in "NOT ACCEPTED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”. The test case TC-WF-18 is executed.
Test Description	Click on the "Reject Reform " button. **Result:** The following actions are available: • "Cancel"; • "Submit". The timeline displayed at the top of the form indicates that the workflow is at the DG TAXUD Validation step.

Table 58: TC-WF-19 test case

Test Identifier	**TC-WF-20**
Test Purpose	Check the available actions when a reform is in "AMENDED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”. The test case TC-WF-18 is executed.
Test Description	Click on the "Amend Reform " button. **Result:** The following actions are available: • "Cancel"; • "Save"; • "Accept Reform "; • “Reject Reform”. The timeline displayed at the top of the form indicates that the workflow is at the DG TAXUD Validation step.

Table 59: TC-WF-20 test case

Test Identifier	**TC-WF-21**
Test Purpose	Check the available actions when a reform is in "VALIDATED" state.
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”. The test case TC-WF-18 is executed.
Test Description	Click on the "Accept Reform " button. **Result**: The following actions are available: • "Cancel"; • “Publish”. Click on the “Publish” button in the confirmation dialog. **Result:** No action on the reform is available.

Table 60: TC-WF-21 test case

4.4.4 INTERACTION BETWEEN THE WORKFLOWS

Test Identifier	**TC-WF-22**
Test Purpose	Test the workflow of the application. This test case will: 1. Create a new tax and follow all the workflow until its publication; 2. Create a new reform/measure on the previously created tax; 3. Update the tax, the measure and the reform, and publish all updates. This test case must be run with at least one calendar day between the 1st and the 2nd part.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder Checker”.
Test Description	**1st Part: Create a new tax and follow the workflow until its publication.** Go to the "Home Page" of the Production interface. **Result:** The "Home Page" of the Production interface is displayed without error message and with a link to the "Home Page" of the Validation interface. Click on “Create tax” link in the “Available Actions” section. **Result:** The “Select tax type” page of the Production interface is displayed. A list of all available taxes is shown. Select “Personal income tax” as tax type and click on the “Next” button. **Result:** The “Create tax form” of the Production interface is displayed. Fill at least the mandatory fields with valuable data. Save the tax using the “Save” button. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the new tax has been successfully saved. Select the previously created tax in the “Taxes Under Progress List”. **Result:** The "Tax Form" Web page is displayed and the following actions are available: • “Cancel”; • “Save”;

	• "Submit"; • "Delete". Fill the section "Tax history" with valid data. Submit the tax to the Tax Checker using the "Submit" button. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the tax has been successfully sent to the MSA Validator. Go to the Tax Checker homepage using the link "Tax Checker homepage" in the "Available links" section. **Result:** The "Home Page" of the Validation interface is displayed with all taxes and measures waiting for validation. Select the previously submitted tax in the "Taxes waiting validation" section. **Result:** The tax details are displayed and the following actions are available at the end of the page: • "Submit to DG Taxud"; • "Reject Tax". Submit the tax to the DG Taxud using the button "Submit to DG Taxud". **Result:** The "Home Page" of the Validation interface is displayed with an info message saying that the tax/measure has been successfully submitted to DG TAXUD/D4. Logout using the "Logout" link in the top toolbar. **Result:** A message saying that you have been successfully disconnected from the application is shown. There is a link if you want to reconnect. Click on the link "here". **Result:** The ECAS login page is displayed. Login to TEDBv2 as TaxPublisher (private part). Result: The "Home Page" of the Publication interface is displayed.

	Select the previously submitted tax in the “Unattached Taxes” list. **Result:** The tax details are displayed and the following actions are available at the end of the page: • “Amend Tax”; • “Accept Tax”; • “Reject Tax”; • “Cancel”. Click on the "Amend Tax" button. **Result:** The following actions are available: • “Accept Tax”; • “Reject Tax”; • “Cancel”; • “Save”. Modify some non-mandatory fields in the tax then publish the tax using the “Accept Tax” button. **Result:** The “Home Page” of the Publication interface is displayed with an information message saying that the tax/measure has been successfully accepted. Go to the public part of TEDBv2 application then search for the previously accepted tax. **Result:** The tax is successfully published and all the initially-entered data is retrieved in the published version. **Important: the second part of the test case has to be done in another calendar day.** **<u>2nd Part: Create a new reform/measure on the previously created tax.</u>** Go to the private part using the Tax Encoder Checker role. **Result:** The "Home Page" of the Production interface is displayed without error

	message and with a link to the "Home Page" of the Validation interface. Click on “Modify tax”, search for the previously created tax then select it. **Result:** The “Tax Details” page is displayed with the details in RO mode of the selected tax: • “Update Tax”; • “Reform Tax”. Click on “Reform Tax”. **Result:** A popup is displayed, aksing the user to confirm the action. Click on “Reform” and create a new reform. Save the reform and create a new measure and save the measure using the “Save” button. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the measure has been successfully saved. The reform is available in the “Reforms Under Progress List”. The measure is available in the “Measures Under Progress List”. Select the created measure in the “Measures Under Progress List” and submit the measure to the Tax Checker using the “Submit” button. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the tax, the measure and the reform have been successfully sent to the MSA Validator. Select the created reform in the “Reforms Under Progress List” and submit the reform to the Tax Checker using the “Submit” button. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the reform has been successfully sent to the MSA Validator. Go to the Tax Checker home page using the link “Tax Checker homepage” in the “Available links” section. **Result:** The "Home Page" of the Validation interface is displayed with all taxes, measures and reforms waiting for validation. Select the previously submitted reform in the “Reforms waiting validation” section. **Result:** The reform details are displayed and the following actions are

	available at the end of the page: • "Submit to DG Taxud"; • "Reject Reform". Click on the "Submit to DG Taxud" button. **Result:** The "Home Page" of the Validation interface is displayed with an info message saying that the reform has been successfully submitted to DG TAXUD/D4. Select the previously submitted tax in the "Taxes waiting validation" section. **Result:** The tax details are displayed and the following actions are available at the end of the page: • "Submit to DG Taxud"; • "Reject Tax"; • "Display Measure"; Click on the "Display Measure" button. **Result:** The measure details are displayed and the following actions are available at the end of the page: • "Submit to DG Taxud"; • "Reject Measure"; • "Display Tax". Click on the "Submit to DG Taxud" button. **Result:** The "Home Page" of the Validation interface is displayed with an info message saying that the tax/measure has been successfully submitted to DG TAXUD/D4. Logout and login again using the Tax Publisher role. **Result:** The "Home Page" of the Publication interface is displayed. The previously reformed tax is displayed in the list named "Reformed Taxes". The reform is displayed in the "Unattached Reforms" list. Open the reform in the "Unattached Reforms" list. **Result:** The reform details are displayed and the following actions are

	available at the end of the page: • "Amend Reform"; • "Accept Reform"; • "Reject Reform"; • Cancel. Click on "Amend Reform" button. Update a field then click on the "Accept Reform" button. **Result:** The "Home Page" of the Publication interface is displayed with an information message saying that the reform has been successfully accepted. Open the tax in the "Reformed Taxes" list. **Result:** The tax details are displayed and the following actions are available at the end of the page: • "Cancel"; • "Amend Tax"; • "Accept Tax"; • "Reject Tax"; • "Display Measure". Click on "Display Measure" button. **Result:** The measure details are displayed and the following actions are available: • "Cancel"; • "Amend Measure"; • "Accept Measure"; • "Reject Measure"; • "Display Tax". Click on "Amend Measure" button. Update some fields then click on the "Accept Measure" button. **Result:** The "Home Page" of the Publication interface is displayed with an information message saying that the tax/measure has been successfully accepted.

Go to the public part of TEDBv2 application then search for the previously accepted tax.

Result: The tax is successfully published and the previously created measure is attached to the tax and visible in the “Measures List”.

3rd Part: Update the tax, the measure and the reform, and publish all updates

Go to the private part using the Tax Encoder Checker role.

Result: The "Home Page" of the Production interface is displayed without error message and with a link to the "Home Page" of the Validation interface.

Click on “Modify Tax”, search for the previously created tax (the one with an attached measure) then select it.

Result: The “Tax Details” page is displayed with the details in RO mode of the selected tax:

- “Update Tax”;
- “Display Measure”.

Click on the “Update Tax” button.

Result: A popup is displayed asking the user to confirm the action.

Click on “Update” and update some fields with valid data. Save the draft by clicking on the “Save” button.

Result: The “Home Page” of the Production interface is displayed with an information message saying that the tax has been successfully saved. The updated tax is in the “Taxes Under Progress List”.

Click on the “Modify Measure” link. Search for the previously created measure by selecting the reform then the created measure.

Result: : The “Measure Details” page is displayed with the details in RO mode of the selected measure:

- “Cancel”;
- “Update Measure”;
- “Display Tax”.

	Click on the “Update Measure” button, update some fields then save the draft by clicking on the “Save” button. **Result:** The “Home Page” of the Production interface is displayed with an information message saying that the measure has been successfully saved. The updated measure is in the “Measures Under Progress List”. Click on the “Modify Measure” link. Search for the previously created reform. **Result: :** The “Reform Details” page is displayed with the details of the selected reform in RO mode: • “Update Reform”. Click on the “Update Reform” button and update a field with valid data. Save the draft by clicking on the “Save” button. **Result:** The “Home Page” of the Production interface is displayed with an information message saying that the reform has been successfully saved. The updated reform is in the “Reforms Under Progress List”. In the “Taxes Under Progress List”, select the updated tax then send it to the MSA Validator by pressing the “Submit” button. The section “Tax history” must be filled-in. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the tax has been successfully sent to the MSA Validator. The updated measure and reform are still present in the under progress lists but not the updated tax. In the “Measures Under Progress List”, select the updated measure then send it to the MSA Validator by pressing the “Submit” button. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the measure has been successfully sent to the MSA Validator. The updated reform is still present in the under progress list but not the updated measure. In the “Reforms Under Progress List”, select the updated reform then send it to the MSA Validator by pressing the “Submit” button. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the reform has been successfully sent to the MSA Validator. Go to the Tax Checker home page using the link “Tax Checker homepage” in the “Available links” section.

	Result: The “Home Page” of the Validation interface is displayed. The “Taxes waiting validation” list contains the updated tax. The “Measures waiting validation” list contains the updated measure. The “Reforms waiting validation” list contains the updated reform. Select the updated reform. **Result:** The reform details are displayed and the following actions are available at the end of the page: • “Submit to DG Taxud”; • “Reject Reform”. Submit the updated reform to the Tax Publisher by clicking on the “Submit to DG Taxud” button. **Result** The "Home Page" of the Validation interface is displayed with an info message saying that the reform has been successfully submitted to DG TAXUD/D4. The updated measure and tax are still in the “waiting validation” lists. Select the updated tax. **Result:** The tax details are displayed and the following actions are available: • “Submit to DG Taxud”; • “Reject Tax”; • “Display Measure”. Submit the updated tax to the Tax Publisher by clicking on the “Submit to DG Taxud” button. **Result** The "Home Page" of the Validation interface is displayed with an info message saying that the tax/measure has been successfully submitted to DG TAXUD/D4. The updated measure is still in the “Measures waiting validation” list. Select the updated measure. **Result:** The measure details are displayed and the following actions are available at the end of the page: • “Submit to DG Taxud”; • “Reject Measure”; • “Display Tax”.

	Submit the updated measure to the Tax Publisher by clicking on the “Submit to DG Taxud” button. **Result:** The "Home Page" of the Validation interface is displayed with an info message saying that the tax/measure has been successfully submitted to DG TAXUD/D4. Logout and log in again with a Tax Publisher role. **Result:** The “Home Page” of the Publication interface is displayed. The updated tax is in the “Unattached Taxes” list, the updated measure is in the “Unattached Measures” list, and the updated reform is in the “Unattached Reforms” list. Select the last updated reform in the “Unattached Reforms” list. **Result:** The "Reform Form" Web page is displayed and the following actions are available: • “Cancel”; • “Amend Reform”; • “Accept Reform”; • “Reject Reform”. Accept the updated reform by clicking on the “Accept Reform” button then confirm using the “Publish” button in the confirmation popup. **Result:** The “Home Page” of the Publication interface is displayed with an information message saying that the reform has been successfully accepted. Select the last updated tax in the “Unattached Taxes” list. **Result:** The "Tax Form" Web page is displayed and the following actions are available: • “Cancel”; • “Amend Tax”; • “Accept Tax”; • “Reject Tax”; • “Display Measure”. Accept the updated tax by clicking on the “Accept Tax” button then confirm

	using the “Publish” button on the confirmation popup. **Result:** The “Home Page” of the Publication interface is displayed with an information message saying that the tax/measure has been successfully accepted. Select the last updated measure in the “Unattached Measures” list. **Result:** The “Measure Form” is displayed and the following actions are available: • “Cancel”; • “Amend Measure”; • “Accept Measure”; • “Reject Measure”. Accept the updated measure by clicking on the “Accept Measure” button then confirm using the “Publish” button in the confirmation popup. **Result:** The “Home Page” of the Publication interface is displayed with an information message saying that the tax/measure has been successfully accepted. Go to the public part then search for the last updated tax. **Result:** the tax has been successfully updated (all the updated fields are changed). The reform and measure are also updated according to the changes made.

Table 61: TC-WF-22 test case

Test Identifier	**TC-WF-23**
Test Purpose	Test the importance of the sequence in the complete workflow of the acceptance of a tax, a measure and a reform.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder Checker”.
Test Description	Go to the private part using the Tax Encoder Checker role. **Result:** The "Home Page" of the Production interface is displayed without error message and with a link to the "Home Page" of the Validation interface. Click on “Modify tax”, search for a tax then select it. **Result:** The “Tax Details” page is displayed with the details in RO mode of the selected tax: • “Update Tax”; • “Reform Tax”. Click on “Reform Tax”. **Result:** A popup is displayed, asking the user to confirm the action. Click on “Reform” and create a new reform. Save the reform and then create a new measure and save the measure using the “Save” button. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the measure has been successfully saved. Select the created reform in the “Reforms Under Progress List” and submit the reform to the Tax Checker using the “Submit” button. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the reform has been successfully sent to the MSA Validator. Select the created measure in the “Measures Under Progress List” and submit the measure to the Tax Checker using the “Submit” button. **Result:** The "Home Page" of the Production interface is displayed with an information message saying that the measure has been successfully sent to the MSA Validator. Go to the Tax Checker home page using the link “Tax Checker homepage” in the “Available links” section.

	Result: The "Home Page" of the Validation interface is displayed with all taxes, measures and reforms waiting for validation. Select the previously submitted tax in the “Taxes waiting validation” section. **Result:** The tax details are displayed and the following actions are available at the end of the page: • “Submit to DG Taxud”; • “Reject Tax”; • “Display Measure”. Click on the “Submit to DG Taxud” button. **Result:** The "Home Page" of the Validation interface is displayed with an info message saying that the tax/measure has been successfully submitted to DG TAXUD/D4. The updated reform is still in the “Reforms waiting validation” list. Select the previously submitted reform in the “Reforms waiting validation” section. **Result:** The reform details are displayed and the following actions are available at the end of the page: • “Submit to DG Taxud”; • “Reject Reform”. Click on the “Submit to DG Taxud” button. **Result:** The "Home Page" of the Validation interface is displayed with an info message saying that the reform has been successfully submitted to DG TAXUD/D4. Logout and log in again with a Tax Publisher role. **Result:** The “Home Page” of the Publication interface is displayed. The reformed tax is in the “Reformed Taxes” list, and the updated reform is in the “Unattached Reforms” list. Select the previously submitted tax in the “Reformed Taxes” section. **Result:** The tax details are displayed and the following actions are available at the end of the page: • “Cancel”;

	• "Amend Tax"; • "Reject Tax"; • "Display Measure". Click on the "Display Measure" button. **Result:** The measure details are displayed and the following actions are available: • "Cancel"; • "Amend Measure"; • "Reject Measure"; • "Display Tax". Go back to the Home Page. Select the previously submitted reform in the "Unattached Reforms" section. **Result:** The reform details are displayed and the following actions are available at the end of the page: • "Cancel"; • "Amend Reform"; • "Accept Reform"; • "Reject Reform". Click on the "Accept Reform" button. **Result:** The "Home Page" of the Publication Interface is displayed with an info message saying that the reform has been successfully submitted to DG TAXUD/D4. The updated measures and tax are still in the "Taxes waiting validation" and "Measures waiting validation" lists. Select the previously submitted tax in the "Reformed Taxes" section. **Result:** The tax details are displayed and the following actions are available at the end of the page: • "Cancel"; • "Amend Tax"; • "Reject Tax"; • "Accept Tax";

	• “Display Measure”. Click on the “Display Measure” button. **Result:** The measure details are displayed and the following actions are available: • “Cancel”; • “Amend Measure”; • “Accept Measure”; • “Reject Measure”; • “Display Tax”.

Table 62: TC-WF-23 test case

4.5 FORMS

The following section details test cases specific to the forms. Please note that the expression of the data fields respect the convention used in the FS ([R01]).

4.5.1 COMMON FORMS

Note: It is possible that both browsers, Firefox 3 and Inter Explorer 7, show a different behaviour when "TAB" and "Shift+TAB" keys are used.

Test Identifier	**TC-FO-1**
Test Purpose	Test the graphical implementation of the "Personal Income Tax" form in compatible browsers.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Click on the “Create tax” menu item in Internet Explorer 7. **Result:** A form to select the type of tax is displayed. Select "Personal Income Tax" and click on "Next". **Result:** The "Personal Income Tax" form is displayed. Use "TAB" and "Shift+TAB" keys to change the focus from one field to another. **Result**: It is possible to go from the first to the last editable field of the form by using keyboard. Repeat with Firefox 3. **Result:** The form in both browsers has the same Look & Feel.

Table 63: TC-FO-1 test case

Test Identifier	**TC-FO-2**
Test Purpose	Test the graphical implementation of the "Corporate Income Tax" form in compatible browsers.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Click on the “Create tax” menu item in Internet Explorer 7. **Result:** A form to select the type of tax is displayed. Select "Corporate Income Tax" and click on "Next". **Result:** The "Corporate Income Tax" form is displayed. Use "TAB" and "Shift+TAB" keys to change the focus from one field to another. **Result**: It is possible to go from the first to the last editable field of the form by using keyboard. Repeat with Firefox 3. **Result:** The form in both browsers has the same Look & Feel.

Table 64: TC-FO-2 test case

Test Identifier	**TC-FO-3**
Test Purpose	Test the graphical implementation of the "VAT" form in compatible browsers.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Click on the “Create tax” menu item in Internet Explorer 7. **Result:** A form to select the type of tax is displayed. Select "VAT" and click on "Next". **Result:** The "VAT" form is displayed. Use "TAB" and "Shift+TAB" keys to change the focus from one field to another. **Result**: It is possible to go from the first to the last editable field of the form by using keyboard. Repeat with Firefox 3. **Result:** The form in both browsers has the same Look & Feel.

Table 65: TC-FO-3 test case

Test Identifier	**TC-FO-4**
Test Purpose	Test the graphical implementation of the "Excise duty – Alcoholic beverages" form in compatible browsers.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Click on the “Create tax” menu item in Internet Explorer 7. **Result:** A form to select the type of tax is displayed. Select " Excise duty – Alcoholic beverages " and click on "Next". **Result:** The " Excise duty – Alcoholic beverages " form is displayed. Use "TAB" and "Shift+TAB" keys to change the focus from one field to another. **Result**: It is possible to go from the first to the last editable field of the form by using keyboard. Repeat with Firefox 3. **Result:** The form in both browsers has the same Look & Feel.

Table 66: TC-FO-4 test case

Test Identifier	**TC-FO-5**
Test Purpose	Test the graphical implementation of the "Excise duty – Energy products and electricity" form in compatible browsers.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Click on the “Create tax” menu item in Internet Explorer 7. **Result:** A form to select the type of tax is displayed. Select "Excise duty – Energy products and electricity " and click on "Next". **Result:** The "Excise duty – Energy products and electricity " form is displayed. Use "TAB" and "Shift+TAB" keys to change the focus from one field to another. **Result**: It is possible to go from the first to the last editable field of the form by using keyboard. Repeat with Firefox 3. **Result:** The form in both browsers has the same Look & Feel.

Table 67: TC-FO-5 test case

Test Identifier	**TC-FO-6**
Test Purpose	Test the graphical implementation of the "Excise duty – Manufactured tobacco" form in compatible browsers.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Click on the “Create tax” menu item in Internet Explorer 7. **Result:** A form to select the type of tax is displayed. Select "Excise duty – Manufactured tobacco" and click on "Next". **Result:** The "Excise duty – Manufactured tobacco" form is displayed. Use "TAB" and "Shift+TAB" keys to change the focus from one field to another. **Result**: It is possible to go from the first to the last editable field of the form by using keyboard. Repeat with Firefox 3. **Result:** The form in both browsers has the same Look & Feel.

Table 68: TC-FO-6 test case

Test Identifier	**TC-FO-7**
Test Purpose	Test the graphical implementation of the "SSC - Employers" form in compatible browsers.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Click on the “Create tax” menu item in Internet Explorer 7. **Result:** A form to select the type of tax is displayed. Select " SSC - Employers" and click on "Next". **Result:** The "SSC - Employers" form is displayed. Use "TAB" and "Shift+TAB" keys to change the focus from one field to another. **Result**: It is possible to go from the first to the last editable field of the form by using keyboard. Repeat with Firefox 3. **Result:** The form in both browsers has the same Look & Feel.

Table 69: TC-FO-7 test case

Test Identifier	**TC-FO-8**
Test Purpose	Test the graphical implementation of the "SSC - Employees" form in compatible browsers.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Click on the “Create tax” menu item in Internet Explorer 7. **Result:** A form to select the type of tax is displayed. Select "SSC - Employees" and click on "Next". **Result:** The "SSC - Employees" form is displayed. Use "TAB" and "Shift+TAB" keys to change the focus from one field to another. **Result**: It is possible to go from the first to the last editable field of the form by using keyboard. Repeat with Firefox 3. **Result:** The form in both browsers has the same Look & Feel.

Table 70: TC-FO-8 test case

Test Identifier	**TC-FO-9**
Test Purpose	Test the graphical implementation of the "Other" forms in compatible browsers.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Click on the “Create tax” menu item in Internet Explorer 7. **Result:** A form to select the type of tax is displayed. Select "Direct Taxes – Other" and click on "Next". **Result:** The "Other" form is displayed. Use "TAB" and "Shift+TAB" keys to change the focus from one field to another. **Result**: It is possible to go from the first to the last editable field of the form by using keyboard. Repeat with Firefox 3. **Result:** The form in both browsers has the same Look & Feel. Repeat the test with the “Indirect taxes – Other” and “Social security contribution – Other” forms.

Table 71: TC-FO-9 test case

Test Identifier	**TC-FO-10**
Test Purpose	Test the rules on the "Personal Income Tax" form.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Create a new "Personal Income Tax". **Result:** The "Personal Income Tax" form is displayed. Test the rules and types described in the sections 3.5.4.2.1, 3.5.4.2.2 and 3.5.4.2.3 of the FS [R01]: For each "Free Text" type, run TC-CP-7; For each "Date" type, run TC-CP-8; For each "Yes/No" type, run TC-CP-10; For each "Amount" type, run TC-CP-11; For each "Rate" type, run TC-CP-12; For each "Year" type, run TC-CP-13; For each "RateForAmounts" type, run TC-CP-14; For each repeatable parts, run TC-CP-15; For each "AutoLastModificationDate" rule, run TC-CP-1; For each section containing the "oneAndOnlyOne" rule, except SECTION 01 with fields from CF-02-01-08 to CF-02-01-18 (read only), run TC-CP-2; For each "availableIfAtLeastOne" rule, run TC-CP-3; For each "availableIf" rule, run TC-CP-4; For each "availableIfCurrent" rule, run TC-CP-5.

Table 72: TC-FO-10 test case

Test Identifier	**TC-FO-11**
Test Purpose	Test the rules on the "Corporate Income Tax" form.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Create a new "Corporate Income Tax". **Result:** The "Corporate Income Tax" form is displayed. Test the rules and types described in the sections 3.5.4.2.1, 3.5.4.2.2 and 3.5.4.2.4 of the FS [R01]: For each "Free Text" type, run TC-CP-7; For each "Date" type, run TC-CP-8; For each "Yes/No" type, run TC-CP-10; For each "Amount" type, run TC-CP-11; For each "Rate" type, run TC-CP-12; For each "Year" type, run TC-CP-13; For each "AutoLastModificationDate" rule, run TC-CP-1; For each section containing the "oneAndOnlyOne" rule, except SECTION 01 with fields from CF-02-01-08 to CF-02-01-18 (read only), run TC-CP-2; For each "availableIfAtLeastOne" rule, run TC-CP-3; For each "availableIf" rule, run TC-CP-4; For each "autoSum" rule, run TC-CP-6.

Table 73: TC-FO-11 test case

Test Identifier	**TC-FO-12**
Test Purpose	Test the rules on the "VAT" form.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Create a new "VAT". **Result:** The "VAT" form is displayed. Test the rules and types described in the sections 3.5.4.2.1, 3.5.4.2.2 and 3.5.4.2.10 of the FS [R01]: For each "Free Text" type, run TC-CP-7; For each "Date" type, run TC-CP-8; For each "Yes/No" type, run TC-CP-10; For each "Amount" type, run TC-CP-11; For each "Rate" type, run TC-CP-12; For each "Year" type, run TC-CP-13; For each repeatable parts, run TC-CP-15; For each "AutoLastModificationDate" rule, run TC-CP-1; For each "availableIfAtLeastOne" rule, run TC-CP-3. For each "filledIf" rule, run TC-CP-4.

Table 74: TC-FO-12 test case

Test Identifier	**TC-FO-13**
Test Purpose	Test the rules on the "Excise duty – Alcoholic beverages" form.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Create a new "Excise duty – Alcoholic beverages". **Result:** The "Excise duty – Alcoholic beverages" form is displayed. Test the rules and types described in the sections 3.5.4.2.1, 3.5.4.2.2 and 3.5.4.2.7 of the FS [R01]: For each "Free Text" type, run TC-CP-7; For each "Date" type, run TC-CP-8; For each "Yes/No" type, run TC-CP-10; For each "Amount" type, run TC-CP-11; For each "Year" type, run TC-CP-13; For each "AutoLastModificationDate" rule, run TC-CP-1; For each "availableIfAtLeastOne" rule, run TC-CP-3.

Table 75: TC-FO-13 test case

Test Identifier	**TC-FO-14**
Test Purpose	Test the rules on the "Excise duty – Energy products and electricity" form.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Create a new "Excise duty – Energy products and electricity". **Result:** The "Excise duty – Energy products and electricity" form is displayed. Test the rules and types described in the sections 3.5.4.2.1, 3.5.4.2.2 and 3.5.4.2.8 of the FS [R01]: For each "Free Text" type, run TC-CP-7; For each "Date" type, run TC-CP-8; For each "Amount" type, run TC-CP-11; For each "Year" type, run TC-CP-13. For each "AutoLastModificationDate" rule, run TC-CP-1; For each "availableIfAtLeastOne" rule, run TC-CP-3.

Table 76: TC-FO-14 test case

Test Identifier	**TC-FO-15**
Test Purpose	Test the rules on the "Excise duty – Manufactured tobacco" form.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Create a new "Excise duty – Manufactured tobacco". **Result:** The "Excise duty – Manufactured tobacco" form is displayed. Test the rules and types described in the sections 3.5.4.2.1, 3.5.4.2.2 and 3.5.4.2.9 of the FS [R01]: For each "Free Text" type, run TC-CP-7; For each "Date" type, run TC-CP-8; For each "Amount" type, run TC-CP-11; For each "Rate" type, run TC-CP-12; For each "Year" type, run TC-CP-13. For each "AutoLastModificationDate" rule, run TC-CP-1; For each "availableIfAtLeastOne" rule, run TC-CP-3.

Table 77: TC-FO-15 test case

Test Identifier	**TC-FO-16**
Test Purpose	Test the rules on the "SSC - Employers" form.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Create a new "SSC - Employers". **Result:** The "SSC - Employers" form is displayed. Test the rules and types described in the sections 3.5.4.2.1, 3.5.4.2.2 and 3.5.4.2.6 of the FS [R01]: For each "Free Text" type, run TC-CP-7; For each "Date" type, run TC-CP-8; For each "Yes/No" type, run TC-CP-10; For each "Amount" type, run TC-CP-11; For each "Rate" type, run TC-CP-12; For each "Year" type, run TC-CP-13; For each "RateForAmounts" type, run TC-CP-14; For each repeatable parts, run TC-CP-15; For each "AutoLastModificationDate" rule, run TC-CP-1; For each section containing the "oneAndOnlyOne" rule, except SECTION 01 with fields from CF-02-01-08 to CF-02-01-18 (read only), run TC-CP-2; For each "availableIfAtLeastOne" rule, run TC-CP-3; For each "availableIf" rule, run TC-CP-4.

Table 78: TC-FO-16 test case

Test Identifier	**TC-FO-17**
Test Purpose	Test the rules on the "SSC - Employees" form.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Create a new "SSC - Employees". **Result:** The "SSC - Employees" form is displayed. Test the rules and types described in the sections 3.5.4.2.1, 3.5.4.2.2 and 3.5.4.2.5 of the FS [R01]: For each "Free Text" type, run TC-CP-7; For each "Date" type, run TC-CP-8; For each "Yes/No" type, run TC-CP-10; For each "Amount" type, run TC-CP-11; For each "Rate" type, run TC-CP-12; For each "Year" type, run TC-CP-13; For each "RateForAmounts" type, run TC-CP-14; For each repeatable parts, run TC-CP-15; For each "AutoLastModificationDate" rule, run TC-CP-1; For each section containing the "oneAndOnlyOne" rule, except SECTION 01 with fields from CF-02-01-08 to CF-02-01-18 (read only), run TC-CP-2; For each "availableIfAtLeastOne" rule, run TC-CP-3; For each "availableIf" rule, run TC-CP-4.

Table 79: TC-FO-17 test case

Test Identifier	**TC-FO-18**
Test Purpose	Test the rules on the "Other" form.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”.
Test Description	Create a new "Other". **Result:** The "Other" form is displayed. Test the rules and types described in the sections 3.5.4.2.1, 3.5.4.2.2 and 3.5.4.2.11 of the FS [R01]: For each "Free Text" type, run TC-CP-7; For each "Date" type, run TC-CP-8; For each "Amount" type, run TC-CP-11; For each "Year" type, run TC-CP-13. For each "AutoLastModificationDate" rule, run TC-CP-1; For each "availableIfAtLeastOne" rule, run TC-CP-3.

Table 80: TC-FO-18 test case

Test Identifier	**TC-FO-19**
Test Purpose	Test the implementation of the “availableIf(DFx=”Yes”)” rule in the common forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The CF-03 form is open.
Test Description	Set CF-03-13 to “false”. **Result:** CF-03-14 is not displayed nor editable. Set CF-03-13 to “true”. **Result:** CF-03-14 is displayed / enabled.

Table 81: TC-FO-19 test case

Test Identifier	**TC-FO-20**
Test Purpose	Test the implementation of the ““filledIf(DFx=’No’ AND DFy=’No’)” rule in the common forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The CF-03 form is open.
Test Description	Try any combination of “true” and “false” for CF-03-03, CF-03-04 and CF-03-05 then save the measure. **Result:** When all fields are set to “false”, a red message is displayed. When at least one field is set to “true”, the measure is saved. Repeat for CF-03-10, CF-03-11, CF-03-12 and CF-03-13. Repeat for CF-03-16, CF-03-17, CF-03-18 and CF-03-19.

Table 82: TC-FO-20 test case

Test Identifier	**TC-FO-21**
Test Purpose	Test the implementation of the “automaticallyLastModificationDate()” rule in the common forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The CF-01 form is open.
Test Description	Click on CF-01-01. **Result:** The user is redirected to the “Measure Details” page.

Table 83: TC-FO-21 test case

Test Identifier	**TC-FO-22**
Test Purpose	Test the “Free text” type in the common forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The CF-03 forms are open.
Test Description	Enter free text in CF-03-07. Try to modify the formatting of the text entered (font, font size, bold, italic, underline,…). **Result:** The formatting of the text can be modified. Copy some text in a Word document. Try to paste the text in CF-03-07. **Result:** It is possible to copy / paste text from a Word document. The formatting of the text is preserved. Set CF-03-13 to “Yes” and repeat for CF-03-14. Repeat for CF-03-20.

Table 84: TC-FO-22 test case

Test Identifier	**TC-FO-23**
Test Purpose	Test the implementation of the “Date” type in the common forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The CF-03 and CF-04 forms are open.
Test Description	Run TC-CP-8 with CF-03-08. Repeat for CF-03-09. Repeat for CF-04-02.

Table 85: TC-FO-23 test case

Test Identifier	**TC-FO-24**
Test Purpose	Test the implementation of the “Tax type” type in the common forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The MSF-06 form is open.
Test Description	Click on the “Search” button. Click on a tax having a published measure (e.g. Published Reformed Tax After 19). **Result:** The detail tax page is displayed. The measure list is present. Check the type of the tax. Click on a measure listed. **Result:** The “Measure Details” page is displayed and the tax type field of the measure is identical to the tax type checked.

Table 86: TC-FO-24 test case

Test Identifier	**TC-FO-25**
Test Purpose	Test the implementation of the “Amount” type in the common forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The CF-03 forms is open.
Test Description	Run TC-CP-11 with CF-03-15.

Table 87: TC-FO-25 test case

Test Identifier	**TC-FO-26**
Test Purpose	Test the form-level validation in the measure form.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The CF-03 form is open.
Test Description	Fill in the measure form, except the "Nature" group where no check box must be ticked. Click on the "Save" button. **Result:** An error message regarding the missing information is displayed. The form is not saved. Fill in the measure form, except the "Changes" group where no check box must be ticked. Click on the "Save" button. **Result:** An error message regarding the missing information is displayed. The form is not saved. Fill in the tax form, except the "Planned financing" group where no check box must be ticked. Click on the "Save" button. **Result:** An error message regarding the missing information is displayed. The form is not saved.

Table 88: TC-FO-26 test case

Test Identifier	**TC-FO-27**
Test Purpose	Test the calculation of statistical data.
Priority	Must
Prerequisites	-

Test Description	Login to TEDBv2 with the user TaxPublisher1 (private part). Go to the statistical data Web page and note the statistical data (GDP and Total Tax Revenue) of BE for the year 2009. If the statistical data does not exists, create it. Go to the tax details of any tax from BE for the year 2009. **Result:** When the field CF-02-02-17 is equal to 2009, the value of the field CF-02-02-19 is equal to the value of the field CF-02-02-18 divided by the GDP of BE for the year 2009 and multiplied by 100. If the fields are empty, update the tax and add them. When the field CF-02-02-17 is equal to 2009, the value of the field CF-02-02-20 is equal to the value of the field CF-02-02-18 divided by the Total Tax Revenues of BE for the year 2009 and multiplied by 100. If the fields are empty, update the tax and add them. Login to TEDBv2 with the user TaxEncoderBE (private part). In the Production section, go to the tax details of any tax from BE for the year 2009. **Result:** When the field CF-02-02-17 is equal to 2009, the value of the field CF-02-02-19 is equal to the value of the field CF-02-02-18 divided by the GDP of BE for the year 2009 and multiplied by 100. If the fields are empty, update the tax and add them. When the field CF-02-02-17 is equal to 2009, the value of the field CF-02-02-20 is equal to the value of the field CF-02-02-18 divided by the Total Tax Revenues of BE for the year 2009 and multiplied by 100. If the fields are empty, update the tax and add them. In the Dissemination section (public part), go to the tax details of any tax from BE for the year 2009. **Result:** When the field CF-02-02-17 is equal to 2009, the value of the field CF-02-02-19 is equal to the value of the field CF-02-02-18 divided by the GDP of BE for the year 2009 and multiplied by 100. If the fields are empty, update a tax from Publication section and publish it. When the field CF-02-02-17 is equal to 2009, the value of the field CF-02-02-20 is equal to the value of the field CF-02-02-18 divided by the Total Tax Revenues of BE for the year 2009 and multiplied by 100. If the fields are empty, update a tax from Publication section and publish it.

Table 89: TC-FO-27 test case

Test Identifier	**TC-FO-28**
Test Purpose	Test the implementation of the CF-02-01-06 (Business Version Date) field in the MS forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. Two MSF-06 forms exist and are published: • The first form cannot be reformed; • The second form can be reformed.
Test Description	Click on “Modify Tax”, search for the first target tax. **Result:** The “Tax Details” page is displayed with the details in RO mode of the selected tax: • “Update Tax”. Click on the “Update Tax” button. **Result:** A popup is displayed asking the user to confirm the action. Click on “Yes”. Switch the focus to field CF-02-01-06. **Result:** The value proposed by default is the last Business Version Date. If the tax has not been reformed, the date is the first of January of the current year. If the tax has been reformed, the date corresponds to the date of the reform action. Enter a new date in the field CF-02-01-06 and click the “Save” button. **Result:** The “Home Page” of the Production interface is displayed with an information message saying that the tax has been successfully saved. The updated tax is in the “Taxes Under Progress List”. Click on “Modify Tax”, search for the second target tax. **Result:** The “Tax Details” page is displayed with the details in RO mode of the selected tax: • “Update Tax”; • “Reform Tax”. Click on the “Reform Tax” button.

	Result: A popup is displayed asking the user to confirm the action. Click on “Yes”. Switch the focus to field CF-02-01-06. **Result:** The value proposed by default is the last Business Version Date. If the tax has not been reformed, the date is the first of January of the current year. If the tax has been reformed, the date corresponds to the date of the reform action. Try to enter a new date in the field CF-02-01-06. **Result:** The value cannot be edited. Go back to the Home Page. Click on the "Create Tax" menu item. **Result:** The "selectTaxType" Web page is displayed. Choose a tax type and click on the "Next" button. **Result:** The "Tax Details" Web page is displayed. Switch the focus to field CF-02-01-06. **Result:** The value proposed by default is the first of January of the current year. Enter a new date in the field CF-02-01-06 and click the “Save” button. **Result:** The “Home Page” of the Production interface is displayed with an information message saying that the tax has been successfully saved. The created tax is in the “Taxes Under Progress List”. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 90: TC-FO-28 test case

4.5.2 PRODUCTION

Test Identifier	**TC-FO-29**
Test Purpose	Test the combination of the “filledIf(DFx is not empty)” and “availableIf(DFx is not empty)” rules in the MS forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The MSF-06 form is open.
Test Description	Leave MSF-06-02 empty. **Result:** MSF-06-03, MSF-06-04 and MSF-06-05 are displayed and are not editable. Select a value for MSF-06-02. **Result:** MSF-06-03, MSF-06-04 and MSF-06-05 are displayed / enabled.

Table 91: TC-FO-29 test case

Test Identifier	**TC-FO-30**
Test Purpose	Test the implementation of the “onClick(PageX)” rule in the MS forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The MSF-01, MSF-04 and MSF-05 forms are open.
Test Description	Click on MSF-01-03. **Result:** The user is redirected to the “Message Details” page. Click on MSF-04-02. **Result:** The user is redirected to the “Tax Details” page. Click on MSF-05-02. **Result:** The user is redirected to the “Reform Details” page.

Table 92: TC-FO-30 test case

Test Identifier	**TC-FO-31**
Test Purpose	Test the “Free text” type in the MS forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The MSF-06 form is open.
Test Description	Enter free text in MSF-06-01. **Result:** It is possible to enter text in the field. Try each value in MSF-06-02. **Result:** It is possible to enter text in the field MSF-06-04, when the following value are selected: • Generic Tax Name; • Tax name in the national language(s); • Tax name in English; • Tax in force since; • Tax cease; • Legal base; • Who sets: Comments; • Beneficiary: Comments; • Tax due date; • Tax collector; • Special features; • Geographical scope; • Taxpayer; • Income Tax: Comments; • Deductions – allowances – tax credits - exemptions; • Rate Description; • Economic function: Comments; • Environmental taxes: Comments; • ESA95: code;

	• ESA95: Comments; • ESA95: Year; • ESA95: Annual tax revenue; • ESA95: Tax revenue as % of GDP; • ESA95: Tax revenue as % of Total tax revenues; • VAT: Standard rate; • VAT: Reduced rate; • Corporate income tax: Nominal rate.

Table 93: TC-FO-31 test case

Test Identifier	**TC-FO-32**
Test Purpose	Test the implementation of the “Date” type in the MS forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The MSF-06 form is open.
Test Description	Select a date using the calendar in MSF-06-06. **Result:** The selected date is displayed in “YYYY/MM/DD” format. Enter an invalid date, e.g.”4434523dsf” in MSF-06-06. **Result:** It is not possible to input characters different from 0-9 and "/", except by copy/paste. Enter an invalid date, e.g.”4434523dsf” in MSF-06-06, by copy/paste. Click on the "Search" button. **Result:** The field is invalid, an error message is displayed. Enter “2006/02/29” in MSF-06-06. Click on the "Search" button. **Result:** The field is invalid, an error message is displayed. Enter “2006/13/13” in MSF-06-06. Click on the "Search" button. **Result:** The field is invalid, an error message is displayed. Enter a valid date, e.g. “2007/12/10” in MSF-06-06. Click on the "Search" button. **Result:** The field is valid, the result of the search is displayed. Repeat the test with MSF-06-07.

Table 94: TC-FO-32 test case

Test Identifier	**TC-FO-33**
Test Purpose	Test the implementation of the “Search Tax Fields” type in the MS forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The MSF-06 form is open.
Test Description	Check the displayed values for MSF-06-02. **Result:** Only one of the following values can be selected: • Type of Tax; • Generic Tax Name; • Tax name in the national language(s); • Tax name in English; • Tax in force since; • Tax cease; • Legal Base; • Who sets - Tax rate; • Who sets - Tax base; • Who sets - Reliefs; • Who sets: Comments; • Beneficiary; • Beneficiary: Comments; • Tax due date; • Tax collector; • Special features; • Geographical scope; • Taxpayer; • Income tax: Comments; • Deductions - allowances - tax credits – exemptions; • Rate Description; • Economic function; • Economic function: Comments; • Environmental taxes; • Environmental taxes: Comments; • ESA95 : code; • ESA95 : Comments; • ESA95 : Year; • ESA95 : Annual tax revenue; • ESA95 : Currency; • ESA95 : Tax revenue as % of GDP; • ESA95 : Tax revenue as % of Total tax revenues; • VAT: Standard rate; • VAT: Reduced rate; • Corporate income tax: Nominal rate. Try to select several items in MSF-06-02. **Result:** It is only possible to select one item simultaneously.

Table 95: TC-FO-33 test case

Test Identifier	**TC-FO-34**
Test Purpose	Test the implementation of the “Search Tax Fields Operators” type in the MS forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The MSF-06 form is open.
Test Description	Select “Generic Tax Name” in MSF-06-02. **Result:** Operators of Category A are available for MSF-06-03. Repeat last operation with selecting in MSF-06-02: • Tax name in the national language(s); • Tax name in English; • Legal Base; • Who sets: Comments; • Beneficiary: Comments; • Tax due date; • Tax collector; • Special features; • Geographical scope; • Taxpayer; • Income tax: Comments; • Deductions - allowances - tax credits – exemptions; • Rate Description; • Economic function: Comments; • Environmental taxes: Comments; • ESA95 : code; • ESA95 : Comments. Select “Tax in force since” in MSF-06-02. **Result:** Operators of Category B are available for MSF-06-03. Repeat last operation with selecting in MSF-06-02: • Tax cease; • ESA95 : Year; • ESA95 : Annual tax revenue; • ESA95 : Tax revenue as % of GDP; • ESA95 : Tax revenue as % of Total tax revenues; • VAT: Standard rate; • VAT: Reduced rate; • Corporate income tax: Nominal Rate. Select “Type of Tax” in MSF-06-02. **Result:** Operators of Category C are available for MSF-06-03.

	Repeat last operation with selecting in MSF-06-02: • Who sets - Tax rate; • Who sets - Tax base; • Who sets - Reliefs; • Beneficiary; • Economic function; • Environmental taxes; • ESA95: Currency.

Table 96: TC-FO-34 test case

Test Identifier	**TC-FO-35**
Test Purpose	Test the implementation of the “And/Or” type in the MS forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The MSF-06 form is open.
Test Description	Click on the “+” button. Select “Generic Tax Name” in both fields MSF-06-02. Check the displayed values for MSF-06-05. **Result:** The field can only contain “AND” or “OR”. Try two select the two items simultaneously for MSF-06-05. **Result:** It is only possible to select one item.

Table 97: TC-FO-35 test case

Test Identifier	**TC-FO-36**
Test Purpose	Test the implementation of the “Text Operator” type in the MS forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The MSF-07 form is open.
Test Description	Check the displayed values for MSF-07-01. **Result:** The field can only contain “Contains” or “Does not contain”. Repeat for MSF-07-03.

Table 98: TC-FO-36 test case

Test Identifier	**TC-FO-37**
Test Purpose	Test the repeatable parts in the MS forms.
Priority	Must
Prerequisites	The user is authenticated as “Tax Encoder”. The MSF-06 form is open.
Test Description	Switch the focus to the section “MSF-06-02 to MSF-06-05” (LOOP 4). **Result:** There is a "+" and "-" button after the repeatable section. Click on the “+” button. **Result:** The section is repeated. Click on the "+" button. **Result:** The section is repeated. It is not possible to repeat the section anymore. Click on the “-” button. **Result:** The last row is deleted. Click on the "-" button.. **Result:** The last row is deleted. It is not possible to delete the first row.

Table 99: TC-FO-37 test case

Test Identifier	**TC-FO-38**
Test Purpose	Test the Printing of the tax details form in the Production section.
Priority	Must
Prerequisites	
Test Description	Login as “Tax Encoder”. Go to the tax details Web page of the Production interface. Trigger the "Print" functionality of the Web browser. **Result:** The printed version of the tax is similar to the displayed version. Login as “Tax Checker”. Go to the tax details Web page of the Validation interface. Trigger the "Print" functionality of the Web browser. **Result:** The printed version of the tax is similar to the displayed version.

Table 100: TC-FO-38 test case

4.5.3 PUBLICATION

Test Identifier	**TC-FO-39**
Test Purpose	Test the implementation of the “automaticallyCheck(DFx, DFy)” rule in the DG TAXUD/D4 forms.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The DGF-01, DGF-02 and DGF-03 forms are open.
Test Description	Click on DGF-01-02. **Result:** The user is redirected to the “Tax Details” page. Click on DGF-02-03. **Result:** The user is redirected to the “Measure Details” page. Click on DGF-03-02. **Result:** The user is redirected to the “Tax Details” page.

Table 101: TC-FO-39 test case

Test Identifier	**TC-FO-40**
Test Purpose	Test the “Free text” type in the DG TAXUD/D4 forms.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Click on the "Member States" menu item. Click on an item in the table. Enter free text in AIF-01-01. **Result:** It is possible to enter text in the field, but it is not possible to format it. Repeat for AIF-01-02. Repeat for AIF-01-04. Click on the "Cancel" button. Click on the "Users" menu item. Click on the "Add User" button. Enter free text in AIF-01-06. **Result:** It is possible to enter text in the field, but it is not possible to format it. Repeat for AIF-01-07. Repeat for AIF-01-08. Repeat for AIF-01-09. Click on the "Cancel" button. Click on the "Statistical data" menu item. Enter free text in AIF-03-01. **Result:** It is possible to enter text in the field, but it is not possible to format it. Repeat for AIF-03-02.

Table 102: TC-FO-40 test case

Test Identifier	**TC-FO-41**
Test Purpose	Test the implementation of the “Many MS Country ISOs” type in the DG TAXUD/D4 forms.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The DGF-04 form is open.
Test Description	Click on the "Send Reminder" menu item. Check the displayed states in DGF-04-01. **Result:** The list contains the ISO code and the name of each MS country, separated by “-“. Try to select several items simultaneously in DGF-04-01. **Result:** It is possible to select several items simultaneously.

Table 103: TC-FO-41 test case

Test Identifier	**TC-FO-42**
Test Purpose	Test the implementation of the “Currency” type in the DG TAXUD/D4 forms.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The AIF-01 form is open.
Test Description	Click on the "Member States" menu item. Click on an item in the table. Open the drop-down list of AIF-01-03 and check the displayed currencies. **Result:** The list contains ISO codes of currencies.

Table 104: TC-FO-42 test case

Test Identifier	**TC-FO-43**
Test Purpose	Test the implementation of the “Tax type” type in the DG TAXUD/D4 forms.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The AIF-01 form is open.
Test Description	Check the displayed values for AIF-01-05. **Result:** The following tax types can be selected: • PIT; • CIT; • Other direct taxes; • VAT; • Alcoholic beverages; • Energy products and electricity; • Manufactured tobacco; • Other indirect taxes; • SSC employees; • SSC employers; • Other. Try to select several tax types in AIF-01-05. **Result:** It is not possible to select several tax types simultaneously.

Table 105: TC-FO-43 test case

Test Identifier	**TC-FO-44**
Test Purpose	Test the implementation of the “Group” type in the DG TAXUD/D4 forms.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The AIF-01 form is open.
Test Description	Click on the "Users" menu. **Result:** The "Users" table is displayed. Click on a row in the table. **Result:** The "User - Edit" form is displayed. Check the possible values for "Group". **Result:** The possible values are: • TAX_ENCODER; • TAX_CHECKER; • TAX_PUBLISHER.

Table 106: TC-FO-44 test case

Test Identifier	**TC-FO-45**
Test Purpose	Test the repeatable parts in the DG TAXUD/D4 forms.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The AIF-01 form is open.
Test Description	Click on the "Member States" menu. **Result:** The "Member States" table is displayed and may include several rows on several pages. Repeat for "TAXREF Tax Types". Repeat for "Users".

Table 107: TC-FO-45 test case

Test Identifier	**TC-FO-46**
Test Purpose	Test the Printing of the tax details form in the Publication section.
Priority	Must
Prerequisites	The user is authenticated as Tax Publisher.
Test Description	Go to the tax details Web page of the Publication section. Trigger the "Print" functionality of the Web browser. **Result:** The printed version of the tax is similar to the displayed version.

Table 108: TC-FO-46 test case

4.5.4 DISSEMINATION

Test Identifier	**TC-FO-47**
Test Purpose	Test the implementation of the “availableIf(DFx is not empty)” rule in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-01 form is open.
Test Description	Do not select any criterion in the "Advanced Search" part and click on "Search". **Result:** The form IUF-03 is displayed, and the field IUF-03-06 is not displayed (only the columns "Tax Name", "Member State" and "Version date" are present). Click on "New Search". **Result:** The IUF-01 is displayed. Select one or more criteria in the "Advanced Search" part and click on "Search". **Result:** The form IUF-03 is displayed, and the field IUF-03-06 is displayed (the columns "Tax Name", "Member State" and "Version date" are present, followed by other columns depending on the criteria).

Table 109: TC-FO-47 test case

Test Identifier	**TC-FO-48**
Test Purpose	Test the combination of the “filledIf(DFx is not empty)” and “availableIf(DFx is not empty)” rules in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-01 form is open.
Test Description	Leave IUF-01-02 empty. **Result:** IUF-01-03, IUF-01-04 and IUF-01-05 are not editable. Select a value for IUF-01-02. **Result:** IUF-01-03, IUF-01-04 and IUF-01-05 are displayed / enabled and are editable.

Table 110: TC-FO-48 test case

Test Identifier	**TC-FO-49**
Test Purpose	Test the implementation of the “automaticallyCheck(DFx, DFy)” rule in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-01 and IUF-02 forms are open.
Test Description	Set IUF-01-07 to “true”. **Result**: All the fields from IUF-01-09 to IUF-01-35 included are automatically checked. Set IUF-01-07 to “false”. **Result**: All the fields from IUF-01-09 to IUF-01-35 included are automatically unchecked. Set IUF-01-08 to “true”. **Result**: IUF-01-09, IUF-01-11, IUF-01-12, IUF-01-13, IUF-01-14, IUF-01-15, IUF-01-16, IUF-01-18, IUF-01-19, IUF-01-20, IUF-01-24, IUF-01-25, IUF-01-27, IUF-01-28, IUF-01-30, IUF-01-31 and IUF-01-35 are automatically checked. Set IUF-01-08 to “false”. **Result**: IUF-01-09, IUF-01-11, IUF-01-12, IUF-01-13, IUF-01-14, IUF-01-15, IUF-01-16, IUF-01-18, IUF-01-19, IUF-01-20, IUF-01-24, IUF-01-25, IUF-01-27, IUF-01-28, IUF-01-30, IUF-01-31 and IUF-01-35 are automatically unchecked. Set IUF-02-05 to “true”. **Result**: All the fields from IUF-02-07 to IUF-02-33 included are automatically checked. Set IUF-02-05 to “false”. **Result**: All the fields from IUF-02-07 to IUF-02-33 included are automatically unchecked. Set IUF-02-06 to “true”. **Result**: IUF-02-07, IUF-02-09, IUF-02-10, IUF-02-11, IUF-02-12, IUF-02-13, IUF-02-14, IUF-02-16, IUF-02-17, IUF-02-18, IUF-02-22, IUF-02-23, IUF-02-

	25, IUF-02-26 , IUF-02-28, IUF-02-29 and IUF-02-33 are automatically checked. Set IUF-02-06 to “false”. **Result**: IUF-02-07, IUF-02-09, IUF-02-10, IUF-02-11, IUF-02-12, IUF-02-13, IUF-02-14, IUF-02-16, IUF-02-17, IUF-02-18, IUF-02-22, IUF-02-23, IUF-02-25, IUF-02-26 , IUF-02-28, IUF-02-29 and IUF-02-33 are automatically unchecked.

Table 111: TC-FO-49 test case

Test Identifier	**TC-FO-50**
Test Purpose	Test the implementation of the “defaultValue(aaa)” rule in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-01 form is open.
Test Description	Enter the keyword "Published" in the field IUF-01-01, and click on the “Search” button. **Result:** The search results are displayed. Switch the focus to IUF-03-07. **Result:** In the field IUF-03-07, the value “Highlights” is preselected.

Table 112: TC-FO-50 test case

Test Identifier	**TC-FO-51**
Test Purpose	Test the implementation of the “onClick(PageX)” rule in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-01 and IUF-02 forms are open.
Test Description	Click on IUF-03-03. **Result:** The user is redirected to the “Tax Details” page. Click on IUF-04-03. **Result:** The user is redirected to the “Reform Details” page.

Table 113: TC-FO-51 test case

Test Identifier	**TC-FO-52**
Test Purpose	Test the implementation of the “Date” type in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-01 form is open.
Test Description	Select a date using the calendar in IUF-01-06. Set the focus to another field. **Result:** The selected date is displayed in “YYYY/MM/DD” format. Enter a valid date, e.g. “2007/12/10” in IUF-01-06. Click on the “Search” button. **Result:** The field is valid. Enter an invalid date, e.g.”4434523dsf” in IUF-01-06. Click on the “Search” button. **Result:** The field is invalid (an error message is displayed). Enter “2006/02/29” in IUF-01-06. Click on the “Search” button. **Result:** The field is invalid (an error message is displayed). Enter “2006/13/13” in IUF-01-06. Click on the “Search” button. **Result:** The field is invalid (an error message is displayed).

Table 114: TC-FO-52 test case

Test Identifier	**TC-FO-53**
Test Purpose	Test the availability of help in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-01 form is open.
Test Description	Click on the "?" button aside the "Keyword" text field. **Result:** A popup with a text describing the usage of the "Keyword" text field is displayed.

Table 115: TC-FO-53 test case

Test Identifier	**TC-FO-54**
Test Purpose	Test the implementation of the “Search Tax Fields” type in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-01 form is open.
Test Description	Check the displayed values for IUF-01-02. **Result:** Only one of the following values can be selected: • Type of Tax; • Generic Tax Name; • Tax name in the national language(s); • Tax name in English; • Tax in force since; • Tax cease; • Legal Base; • Who sets - Tax rate; • Who sets - Tax base; • Who sets - Reliefs; • Who sets: Comments; • Beneficiary; • Beneficiary: Comments; • Tax due date; • Tax collector; • Special features; • Geographical scope; • Taxpayer; • Income tax: Comments; • Deductions - allowances - tax credits – exemptions; • Rate Description; • Economic function; • Economic function: Comments; • Environmental taxes; • Environmental taxes: Comments; • ESA95 : code; • ESA95 : Comments; • ESA95 : Year; • ESA95 : Annual tax revenue; • ESA95 : Currency; • ESA95 : Tax revenue as % of GDP; • ESA95 : Tax revenue as % of Total tax revenues; • VAT: Standard rate; • VAT: Reduced rate; • Corporate income tax: Nominal rate. Try to select several items in IUF-01-02. **Result:** The selection of several items is not possible.

Table 116: TC-FO-54 test case

Test Identifier	**TC-FO-55**
Test Purpose	Test the implementation of the “Search Tax Fields Operators” type in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-01 form is open.
Test Description	Select “Generic Tax Name” in IUF-01-02. **Result:** Operators of Category A are available for IUF-01-03. Repeat last operation with selecting in IUF-01-02: • Tax name in the national language(s); • Tax name in English; • Legal Base; • Who sets: Comments; • Beneficiary: Comments; • Tax due date; • Tax collector; • Special features; • Geographical scope; • Taxpayer; • Income tax: Comments; • Deductions - allowances - tax credits – exemptions; • Rate Description; • Economic function: Comments; • Environmental taxes: Comments; • ESA95 : code; • ESA95 : Comments. Select “Tax in force since” in IUF-01-02. **Result:** Operators of Category B are available for IUF-01-03. Repeat last operation with selecting in IUF-01-02: • Tax cease; • ESA95 : Year; • ESA95 : Annual tax revenue; • ESA95 : Tax revenue as % of GDP; • ESA95 : Tax revenue as % of Total tax revenues; • VAT: Standard rate; • VAT: Reduced rate; • Corporate income tax: Nominal Rate. Select “Type of Tax” in IUF-01-02. **Result:** Operators of Category C are available for IUF-01-03.

	Repeat last operation with selecting in IUF-01-02: • Who sets : Tax rate; • Who sets : Tax base; • Who sets : Reliefs; • Beneficiary; • Economic function; • Environmental taxes; • ESA95: Currency.

Table 117: TC-FO-55 test case

Test Identifier	**TC-FO-56**
Test Purpose	Test the implementation of the “And/Or” type in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-01 form is open.
Test Description	Select “Generic Tax Name” in IUF-01-02 and click on "+" to add a new set of criteria fields. Check the displayed values for IUF-01-05. **Result:** The field can only contain “AND” or “OR”. Try two select the two items simultaneously for IUF-01-05. **Result:** It is only possible to select one item.

Table 118: TC-FO-56 test case

Test Identifier	**TC-FO-57**
Test Purpose	Test the implementation of the “Text Operator” type in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The IUF-02 form is open.
Test Description	Check the displayed values for IUF-02-01. **Result:** The field can only contain “Contains” or “Does not contain”. Repeat for IUF-02-03.

Table 119: TC-FO-57 test case

Test Identifier	**TC-FO-58**
Test Purpose	Test the implementation of the “View Modes List” type in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. The IUF-01 form open.
Test Description	In IUF-01, enter the keyword "Published" in the field IUF-01-01, and click on the “Search” button. **Result:** The search results are displayed. Check the displayed values for IUF-03-07. **Result:** The list contains “Highlights” and “Links”. Try to manually enter another value in IUF-03-07. **Result:** It is not possible to enter a value different than “Highlights” or “Links” in IUF-03-07. Try to select the two items simultaneously for IUF-03-07. **Result:** It is only possible to select one item.

Table 120: TC-FO-58 test case

Test Identifier	**TC-FO-59**
Test Purpose	Test the repeatable parts in the UIF forms.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. The IUF-01 form is open.
Test Description	Switch the focus to the section “IUF-01-02 to IUF-01-05” (LOOP 9). **Result:** There is a "Remove" button (with the label "-") after the repeatable section. Trigger the “Add” button (with the label “+”). **Result:** The section is repeated. Trigger five times the “Add” button. **Result:** Only three occurrences of the repeatable section are allowed. Trigger two times the “Remove” button. **Result:** The added sections are removed.

Table 121: TC-FO-59 test case

Test Identifier	**TC-FO-60**
Test Purpose	Test the Printing of the tax details form in the Dissemination section.
Priority	Must
Prerequisites	-
Test Description	Go to the tax details Web page of the Dissemination section. Trigger the "Print" functionality of the Web browser. **Result:** The printed version of the tax is similar to the displayed version.

Table 122: TC-FO-60 test case

4.6 PRODUCTION USE CASES

The following section details test cases specific to production functionalities. Please note that the expression of the data fields respect the convention used in the FS ([R01]).

4.6.1 PRODUCTION

Test Identifier	**TC-PRO-1**
Test Purpose	Test the availability of reminders on the Production home page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder.
Test Description	Go to the home page. **Result:** • A table presenting the messages received is available; • Tables presenting the taxes, the measures and the reforms under progress is available. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 123: TC-PRO-1 test case

Test Identifier	**TC-PRO-2**
Test Purpose	Create a new tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. The home page is displayed.
Test Description	Click on the "Create Tax" menu item. **Result:** The "selectTaxType" Web page is displayed. Choose a tax type and click on the "Next" button. **Result:** The "Tax Details" Web page is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 124: TC-PRO-2 test case

Test Identifier	**TC-PRO-3**
Test Purpose	Save a new tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-2 is executed.
Test Description	Fill in the CF-02 form with valid data. Click on the “Save” button. **Result:** The current form is saved as a draft. The creation of the tax is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 125: TC-PRO-3 test case

Test Identifier	**TC-PRO-4**
Test Purpose	Cancel the modification of a new tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-2 is executed.
Test Description	Fill in the CF-02 form with valid data. Click on the “Cancel” button. **Result:** The creation is cancelled. The home page is displayed. Execute TC-PRO-3. Fill the CF-02 form with valid data. Click on the “Cancel” button. **Result:** The work done since last save is cancelled. The home page is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 126: TC-PRO-4 test case

Test Identifier	**TC-PRO-5**
Test Purpose	Submit a new tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-2 is executed.
Test Description	Fill in the CF-02 form with valid data. Click on the “Submit” button. **Result:** The new tax is sent to be validated by the MSA Validator. The home page is displayed. The submission of the tax is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 127: TC-PRO-5 test case

Test Identifier	**TC-PRO-6**
Test Purpose	Perform a tax search.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. The home page is displayed.
Test Description	Click on the “Modify Tax” link. **Result:** The “Search Tax” page is displayed. Fill in the MSF-06 form with valid data and click on the search button. **Result:** The results are displayed in RO mode (MSF-04 form). Fill in the MSF-06 form with non-restrictive criteria to return at least 30 taxes. **Result:** The first 15 results are displayed and the user is able to navigate between all the results using the arrows on top of the table. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 128: TC-PRO-6 test case

Test Identifier	**TC-PRO-7**
Test Purpose	Select a tax from a tax search.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-6 is executed.
Test Description	Select a tax by clicking on the tax name (e.g. "Published Reformed Tax After 15"). **Result:** The “Tax Details” page is displayed with the details in RO mode of the selected tax (CF-01 and CF-02-RO forms). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 129: TC-PRO-7 test case

Test Identifier	**TC-PRO-8**
Test Purpose	Correct a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-7 is executed.
Test Description	Click on the “Update Tax” button on the “Tax Details” page. **Result:** A popup is displayed, asking the user to confirm or not the update action. Click on the “Cancel” button on the confirmation popup. **Result:** The popup is closed. The “Tax Details” page is displayed. Click again on the “Update Tax” and then click on the “Update” button on the confirmation popup. **Result:** The “Tax Form” page is displayed with the current tax in read / write mode (CF-02 form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 130: TC-PRO-8 test case

Test Identifier	**TC-PRO-9**
Test Purpose	Save the correction of a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-8 is executed.
Test Description	Modify the tax with valid data. Click on the “Save” button. **Result:** The current form is saved as a draft. The correction of the tax is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 131: TC-PRO-9 test case

Test Identifier	**TC-PRO-10**
Test Purpose	Cancel the correction of a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-8 is executed.
Test Description	Modify the tax with valid values. Click on the “Cancel” button. **Result:** The home page is displayed. The modifications on the tax are cancelled. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 132: TC-PRO-10 test case

Test Identifier	**TC-PRO-11**
Test Purpose	Delete the correction of a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-8 is executed.
Test Description	Modify the tax with valid values. Click on the “Delete” button. **Result:** The draft of the corrected tax is deleted. The home page is displayed. The deletion of the corrected tax is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 133: TC-PRO-11 test case

Test Identifier	**TC-PRO-12**
Test Purpose	Test the integration of a “DELETE” state for the taxes.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-8 is executed.

Test Description	Modify the tax with valid values.
	
	Recover the identifier of the tax.
	
	Click on the “Delete” button.
	
	Result: The draft of the corrected tax is deleted. The home page is displayed. The deletion of the corrected tax is logged.
	
	Manually enter the URL with the identifier of the previously deleted tax.
	
	Result: The form of the tax is displayed, together with a warning message indicating that the tax has been deleted.
	
	Perform the following SQL query to recover the tax corresponding to the identifier.
	
	`SELECT STATUS`
	
	`FROM WORKINGTAXVERSION`
	
	`WHERE WORKINGTAXVERSIONID = <the ID>`
	
	`AND VERSIONDATE = '<the version date>';`
	
	Result: The status of target tax is “DELETED”.
	
	Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 134: TC-PRO-12 test case

Test Identifier	**TC-PRO-13**
Test Purpose	Submit the correction of a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-8 is executed.
Test Description	Modify the tax with valid values. Click on the “Submit” button. **Result:** The updated tax is sent to be validated by MSA Validator. The home page is displayed. The submission of the corrected tax is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 135: TC-PRO-13 test case

Test Identifier	**TC-PRO-14**
Test Purpose	Perform a reform search.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. The home page is displayed.
Test Description	Click on the “Modify Measure” link. **Result:** The “Search Reform” page is displayed. Fill in the MSF-07 form with valid data. **Result:** The MSF-05 form is filled in with the search results. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 136: TC-PRO-14 test case

Test Identifier	**TC-PRO-15**
Test Purpose	Select a reform from a reform search
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-14 is executed.
Test Description	Click on the reform name. **Result:** The “Reform Details” page is displayed with the details in RO mode of the selected reform (CF-01 and CF-04-RO forms). An “Update Reform” button is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 137: TC-PRO-15 test case

Test Identifier	**TC-PRO-16**
Test Purpose	Update a tax with a reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-7 is executed.
Test Description	Click on the “Reform Tax” button on the “Tax Details” page. **Result:** A popup is displayed, asking the user to confirm or not the reform action. Click on the “No” button on the confirmation popup. **Result:** The popup is closed. The “Tax Details” page is displayed. Click again on the “Reform Tax” and then click on the “Yes” button on the confirmation popup. **Result:** The “Search a Reform for Measure Creation” page is displayed (MSF-07 and CF-01 forms). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 138: TC-PRO-16 test case

Test Identifier	**TC-PRO-17**
Test Purpose	Cancel the updating of a tax with a reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-16 is executed.
Test Description	Click on the “Back” button on the “Search a Reform for Measure Creation” page. **Result:** The “Tax Details” page is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 139: TC-PRO-17 test case

Test Identifier	**TC-PRO-18**
Test Purpose	Create a new reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-16 is executed.
Test Description	Click on the “Create Reform” button. **Result:** The “Create Reform” page is displayed (CF-04 form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 140: TC-PRO-18 test case

Test Identifier	**TC-PRO-19**
Test Purpose	Cancel the creation of a new reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-18 is executed.
Test Description	Fill in the CF-04 form with valid data. Click on the “Back” button. **Result:** The “Search a Reform for Measure Creation” page is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 141: TC-PRO-19 test case

Test Identifier	**TC-PRO-20**
Test Purpose	Create a measure by saving a new reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-18 is executed.
Test Description	Fill in the CF-04 form with valid data. Click on the “Create Reform” button. **Result:** The “Create a Measure” page is displayed (CF-03 form). Repeat the test with the user authenticated as a Tax Encoder Checker.

*Table 142: **TC-PRO-20** test case*

Test Identifier	**TC-PRO-21**
Test Purpose	Create a measure by submitting a new reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-18 is executed.
Test Description	Fill in the CF-04 form with valid data. Click on the “Submit” button. **Result:** The “Create a Measure” page is displayed (CF-03 form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 143: TC-PRO-21 test case

Test Identifier	**TC-PRO-22**
Test Purpose	Cancel the creation of a measure by creating a new reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-21 is executed.
Test Description	Click on the “Cancel” button on the “Create Measure Form” page. **Result:** The “Create a Reform” page is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 144: TC-PRO-22 test case

Test Identifier	**TC-PRO-23**
Test Purpose	Create a measure by updating an existing reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-16 is executed.
Test Description	Click on the name of a reform on the “Search a Reform for Measure Creation” page. **Result:** The “Create a Measure” page is displayed (CF-03 form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 145: TC-PRO-23 test case

Test Identifier	**TC-PRO-24**
Test Purpose	Cancel the creation of a measure by updating an existing reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-23 is executed.
Test Description	Click on the “Cancel” button on the “Create a Measure” page. **Result:** The “Search a Reform for Measure Creation” page is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 146: TC-PRO-24 test case

Test Identifier	**TC-PRO-25**
Test Purpose	Save a new measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-23 is executed.
Test Description	Fill in the CF-03 form with valid data. Click on the “Save” action. **Result:** The current form is saved as a draft. The creation of the measure is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 147: TC-PRO-25 test case

Test Identifier	**TC-PRO-26**
Test Purpose	Submit a new measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-23 is executed.
Test Description	Fill in the CF-03 form with valid data. Click on the “Save” button. **Result:** The new measure is saved. The home page is displayed. The measure is displayed in the “Measures Under Progress List”. Select target measure in the list and click on the “Submit” button. **Result:** The new measure is sent to be validated by the MSA Validator. The home page is displayed. The submission of the new measure is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 148: TC-PRO-26 test case

Test Identifier	**TC-PRO-27**
Test Purpose	Submit a new measure and a new reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-21 is executed.
Test Description	Fill in the CF-03 form with valid data. Click on the “Save” button. **Result:** The new measure is saved. The home page is displayed. The measure is displayed in the “Measures Under Progress List”. Select target measure in the list and click on the “Submit” button. **Result:** The new measure and the new reform are sent to be validated by the MSA Validator. The home page is displayed. The submission of the new measure and reform is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 149: TC-PRO-27 test case

Test Identifier	**TC-PRO-28**
Test Purpose	Submit a new measure and a previously saved reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-20 is executed.
Test Description	Fill in the CF-03 form with valid data. Click on the “Save” button. **Result:** The new measure is saved. The home page is displayed. The measure is displayed in the “Measures Under Progress List”. The reform is displayed in the “Reforms Under Progress List”. Select target reform in the list and click on the “Submit” button. **Result:** The new reform is sent to be validated by the MSA Validator. The home page is displayed. The submission of the new reform is logged. Select target measure in the list and click on the “Submit” button. **Result:** The new measure is sent to be validated by the MSA Validator. The home page is displayed. The submission of the new measure is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 150: TC-PRO-27 test case

Test Identifier	**TC-PRO-29**
Test Purpose	Select a measure from a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-7 is executed.
Test Description	Click on the ”Display measure” button on the “Tax Details” page. **Result:** The “Measure Details” page is displayed (CF-03-RO form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 151: TC-PRO-29 test case

Test Identifier	**TC-PRO-30**
Test Purpose	Cancel the selection of a measure from a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-29 is executed.
Test Description	Click on the “Cancel” button on the “Measure Details” page. **Result:** The “Tax Details” page is displayed (CF-01 and CF-02-RO forms). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 152: TC-PRO-30 test case

Test Identifier	**TC-PRO-31**
Test Purpose	Select a measure from a reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-15 is executed.
Test Description	Click on the last measure name on the “Reform Details” page. **Result:** The “Measure Details” page is displayed (CF-03-RO form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 153: TC-PRO-31 test case

Test Identifier	**TC-PRO-32**
Test Purpose	Cancel the selection of a measure from a reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-31 is executed.
Test Description	Click on the “Cancel” button on the “Measure Details” page. **Result:** The “Reform Details” page is displayed (CF-01 and CF-04-RO forms). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 154: TC-PRO-32 test case

Test Identifier	**TC-PRO-33**
Test Purpose	Update a measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-29 is executed.
Test Description	Click on the “Update Measure” button on the “Measure Details” page. **Result:** The “Measure Form” page is displayed (CF-03 form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 155: TC-PRO-33 test case

Test Identifier	**TC-PRO-34**
Test Purpose	Cancel the correction of a measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-33 is executed.
Test Description	Click on the “Cancel” button on the “Measure Form” page. **Result:** The “Measure Details” page is displayed (CF-03-RO form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 156: TC-PRO-34 test case

Test Identifier	**TC-PRO-35**
Test Purpose	Save the correction of a measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-33 is executed.
Test Description	Fill in the CF-03 form with valid data. Click on the “Save” button. **Result:** The current form is saved as a draft. The correction of the measure is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 157: TC-PRO-35 test case

Test Identifier	**TC-PRO-36**
Test Purpose	Delete the correction of a measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-35 is executed.
Test Description	Open the saved measure. Click on the “Delete” button. **Result:** The draft of the new measure is deleted. The home page is displayed. The deletion of the new measure is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 158: TC-PRO-36 test case

Test Identifier	**TC-PRO-37**
Test Purpose	Test the integration of a “DELETE” state for the measures.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-33 is executed.

Test Description	Modify the measure with valid values.
	
	Recover the identifier of the measure.
	
	Click on the “Delete” button.
	
	Result: The draft of the corrected measure is deleted. The home page is displayed. The deletion of the new measure is logged.
	
	Manually enter the URL with the identifier of the previously deleted measure.
	
	Result: The form of the measure is displayed, together with a warning message indicating that the measure has been deleted.
	
	Perform the following SQL query to recover the measure corresponding to the identifier.
	
	`SELECT STATUS`
	
	`FROM WORKINGMEASURE`
	
	`WHERE MEASUREID = <the ID>;`
	
	Result: The status of target measure is “DELETED”.
	
	Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 159: TC-PRO-37 test case

Test Identifier	**TC-PRO-38**
Test Purpose	Submit the correction of a measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-33 is executed.
Test Description	Fill in the CF-03 form with valid data. Click on the “Submit” button. **Result:** The updated measure is sent to be validated by the MSA Validator. The home page is displayed. The submission of the corrected measure is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 160: TC-PRO-38 test case

Test Identifier	**TC-PRO-39**
Test Purpose	Update a reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-15 is executed.
Test Description	Click on the “Update Reform” button on the “Reform Details” page. **Result:** The “Reform Form” page is displayed (CF-04). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 161: TC-PRO-39 test case

Test Identifier	**TC-PRO-40**
Test Purpose	Cancel the correction of a reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-39 is executed.
Test Description	Click on the “Cancel” button on the “Reform Form” page. **Result:** The “Reform Details” page is displayed (CF-04 – RO). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 162: TC-PRO-40 test case

Test Identifier	**TC-PRO-41**
Test Purpose	Save the correction of a reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-39 is executed.
Test Description	Fill in the CF-04 form with valid data. Click on the “Save” button. **Result:** The current form is saved as a draft. The correction of the reform is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 163: TC-PRO-41 test case

Test Identifier	**TC-PRO-42**
Test Purpose	Delete the correction of a reform, not linked to existing measures.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-39 is executed. The selected reform must not be linked to existing measures.
Test Description	Click on the “Delete” button. **Result:** The draft of the new reform is deleted. The home page is displayed. The deletion of the new reform is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 164: TC-PRO-42 test case

Test Identifier	**TC-PRO-43**
Test Purpose	Delete the correction of a reform, linked to existing measures.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. A Reform linked to at least one measure is available.
Test Description	Select the reform in the “Reforms Under Progress List”. **Result**: The “Delete” button is not visible. It is impossible to delete the reform. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 165: TC-PRO-43 test case

Test Identifier	**TC-PRO-44**
Test Purpose	Test the integration of a “DELETE” state for the reforms.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-39 is executed.

Test Description	Modify the reform with valid values.
	
	Recover the identifier of the reform.
	
	Click on the “Delete” button.
	
	Result: The draft of the corrected reform is deleted. The home page is displayed. The deletion of the new reform is logged.
	
	Manually enter the URL with the identifier of the previously deleted reform.
	
	Result: The form of the reform is displayed, together with a warning message indicating that the reform has been deleted.
	
	Perform the following SQL query to recover the reform corresponding to the identifier.
	
	`SELECT STATUS`
	
	`FROM REFORM`
	
	`WHERE REFORMID = <the ID>;`
	
	Result: The status of target reform is “DELETED”.
	
	Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 166: TC-PRO-44 test case

Test Identifier	**TC-PRO-45**
Test Purpose	Submit the correction of a measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-33 is executed.
Test Description	Fill in the CF-03 form with valid data. Click on the “Submit” button. **Result:** The updated measure is sent to be validated by the MSA Validator. The home page is displayed. The submission of the corrected measure is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 167: TC-PRO-38 test case

Test Identifier	**TC-PRO-46**
Test Purpose	Select a message.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. The home page is displayed with some messages.
Test Description	Click on the “More Details” field of a message about a measure on the home page. **Result:** The “Message Details” page is displayed (MSF-02 form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 168: TC-PRO-46 test case

Test Identifier	**TC-PRO-47**
Test Purpose	Cancel the selection of a message.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-46 is executed.
Test Description	Click on the “Cancel” button on the “Message Details” page. **Result:** The home page is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 169: TC-PRO-47 test case

Test Identifier	**TC-PRO-48**
Test Purpose	Open a tax from a message.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-46 is executed.
Test Description	Click on the “Open Tax” button. **Result:** The “Tax Form” page is displayed (CF-02 form) with the details of the tax linked to the message. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 170: TC-PRO-48 test case

Test Identifier	**TC-PRO-49**
Test Purpose	Cancel the opening of a tax from a message.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-48 is executed.
Test Description	Click on the “Cancel” button on the “Tax Form” page. **Result:** The “Message Details” page is displayed (MSF-02 form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 171: TC-PRO-49 test case

Test Identifier	**TC-PRO-50**
Test Purpose	Open a measure from a message.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-46 is executed.
Test Description	Click on the “Open Measure” button. **Result:** The “Measure Form” page is displayed (CF-03 form) with the details of the measure linked to the message. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 172: TC-PRO-50 test case

Test Identifier	**TC-PRO-51**
Test Purpose	Cancel the opening of a measure from a message.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-50 is executed.
Test Description	Click on the “Cancel” action on the “Measure Form” page. **Result:** The “Message Details” page is displayed (MSF-02 form). Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 173: TC-PRO-51 test case

Test Identifier	**TC-PRO-52**
Test Purpose	Load a draft tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. The home page is displayed.
Test Description	In the "Taxes Under Progress List", click on the name of a tax. **Result:** The “Tax Form” page is displayed (CF-02 form) with the details of the selected tax. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 174: TC-PRO-52 test case

Test Identifier	**TC-PRO-53**
Test Purpose	Load a draft measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. The home page is displayed.
Test Description	In the "Measures Under Progress List", click on the name of a measure. **Result:** The “Measure Form” page is displayed (CF-03 form) with the details of the selected measure. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 175: TC-PRO-53 test case

Test Identifier	**TC-PRO-54**
Test Purpose	Load a draft reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. The home page is displayed.
Test Description	In the "Reforms Under Progress List", click on the name of a reform. **Result:** The “Reform Form” page is displayed (CF-04 form) with the details of the selected reform. Repeat the test with the user authenticated as a Tax Encoder Checker.

*Table 176: **TC-PRO-54** test case*

Test Identifier	**TC-PRO-55**
Test Purpose	Display the measure linked to the selected tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. The home page is displayed.
Test Description	In the "Taxes Under Progress List", click on the name of a tax having a attached measure (e.g. Published Tax 8). **Result:** The “Tax Form” page is displayed (CF-02 form). Click on the “Display Measure” button. **Result:** The “Measure Form” page is displayed (CF-03 form) with the details of the measure linked to the selected tax. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 177: TC-PRO-55 test case

Test Identifier	**TC-PRO-56**
Test Purpose	Come back to the selected tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Encoder. TC-PRO-55 is executed.
Test Description	Click on the “Cancel” button on the “Measure Form” page. **Result:** The “Tax Form” page is displayed (CF-02 form) is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 178: TC-PRO-56 test case

4.6.2 VALIDATION

Test Identifier	**TC-PRO-57**
Test Purpose	Select a tax to be validated from the home page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. The home page of the Tax Checker is displayed with at least one new tax to be validated.
Test Description	On the home page, click on a tax to be validated name on the MSF-03 form displayed. **Result:** The “Tax Details” page is displayed with a description of the tax to be validated. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 179: TC-PRO-57 test case

Test Identifier	**TC-PRO-58**
Test Purpose	Cancel the “Select a Tax” action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-57 is executed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 180: TC-PRO-58 test case

Test Identifier	**TC-PRO-59**
Test Purpose	Accept a tax to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-57 is executed.
Test Description	Click on the “Submit to DG Taxud” button on the “Tax Details” page. **Result:** The modifications inputted by the Tax Encoder are validated. The tax description is available to the Tax Publishers. The home page of the Tax Checker is displayed. The validation of the tax is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 181: TC-PRO-59 test case

Test Identifier	**TC-PRO-60**
Test Purpose	Reject a tax to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-57 is executed.
Test Description	Click on the “Reject Tax” button on the “Tax Details” page. **Result:** The “Rejection of the Tax update” page is displayed. Enter a reason of the rejection in the displayed text field. Click on the “Submit” button. **Result:** The modification inputted by the Tax Encoder is rejected. The home page of the Tax Checker is displayed. The tax is not present in the table. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 182: TC-PRO-60 test case

Test Identifier	**TC-PRO-61**
Test Purpose	Cancel the rejection of a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-57 is executed.
Test Description	Click on the “Reject Tax” button on the “Tax Details” page. **Result:** The “Rejection of the Tax update ” page is displayed. Click on the “Cancel” button. **Result:** The "Tax Details" page is displayed. Go to the home page of the Tax Checker. **Result:** The tax is still present in the table. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 183: TC-PRO-61 test case

Test Identifier	**TC-PRO-62**
Test Purpose	Test the transitions between the “Tax Details” page and the “Measure Details” page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. The home page of the Tax Checker is displayed with at least one tax linked to a measure to be validated (e.g. Tax to be checked with measure After 1).
Test Description	On the home page of the Tax Checker, click on a tax linked to a measure on the MSF-03 form displayed. **Result:** The “Tax Details” page is displayed with a description of the tax to be validated. Click on the “Display Measure” button. **Result:** The “Measure Details” page with the details of the measure which impact the current tax is displayed. Click on the “Display Tax” button. **Result:** The “Tax Details” page with the details of the tax which is impacted the measure is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 184: TC-PRO-62 test case

Test Identifier	**TC-PRO-63**
Test Purpose	Select a measure to be validated from the home page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. The home page is displayed with at least one new measure to be validated.
Test Description	On the home page, click on a measure name on the MSF-03 form displayed. **Result:** The “Measure Details” page is displayed with a description of the measure to be validated. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 185: TC-PRO-63 test case

Test Identifier	**TC-PRO-64**
Test Purpose	Cancel the “Select a Measure” action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-63 is executed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 186: TC-PRO-64 test case

Test Identifier	**TC-PRO-65**
Test Purpose	Accept a measure to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-63 is executed.
Test Description	Click on the “Submit to DG Taxud” button on the “Measure Details” page. **Result:** The modifications inputted by the Tax Encoder are validated. The measure description is available to the Tax Publishers. The home page of the Tax Checker is displayed. The validation of the measure is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 187: TC-PRO-65 test case

Test Identifier	**TC-PRO-66**
Test Purpose	Reject a measure to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-63 is executed.
Test Description	Click on the “Reject Measure” action on the “Measure Details” page. **Result:** The “Rejection of the Measure update” page is displayed. Enter a reason of the rejection in the displayed text field. Click on the “Submit” button. **Result:** The modification inputted by the Tax Encoder is rejected. The home page of the Tax Checker is displayed. The measure is not present in the table. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 188: TC-PRO-66 test case

Test Identifier	**TC-PRO-67**
Test Purpose	Cancel the rejection of a measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-63 is executed.
Test Description	Click on the “Reject Measure” action on the “Measure Details” page. **Result:** The “Rejection of the Measure update” page is displayed. Click on the “Cancel” button. Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed. The measure is still present in the table.

Table 189: TC-PRO-67 test case

Test Identifier	**TC-PRO-68**
Test Purpose	Select a reform to be validated from the home page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. The home page is displayed with at least one new reform to be validated.
Test Description	On the home page, click on a reform name on the MSF-03 form displayed. **Result:** The “Reform Details” page is displayed with a description of the reform to be validated. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 190: TC-PRO-68 test case

Test Identifier	**TC-PRO-69**
Test Purpose	Cancel the “Select a Reform” action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-68 is executed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 191: TC-PRO-69 test case

Test Identifier	**TC-PRO-70**
Test Purpose	Accept a reform to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-68 is executed.
Test Description	Click on the “Submit to DG Taxud” button on the “Reform Details” page. **Result:** The modifications inputted by the Tax Encoder are validated. The reform description is available to the Tax Publishers. The home page of the Tax Checker is displayed. The validation of the reform is logged. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 192: TC-PRO-70 test case

Test Identifier	**TC-PRO-71**
Test Purpose	Reject a reform to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-68 is executed.
Test Description	Click on the “Reject Reform” action on the “Reform Details” page. **Result:** The “Rejection of the Reform update” page is displayed. Enter a reason of the rejection in the displayed text field. Click on the “Submit” button. **Result:** The modification inputted by the Tax Encoder is rejected. The home page of the Tax Checker is displayed. The reform is not present in the table. Repeat the test with the user authenticated as a Tax Encoder Checker.

Table 193: TC-PRO-71 test case

Test Identifier	**TC-PRO-72**
Test Purpose	Cancel the rejection of a reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Checker. TC-PRO-68 is executed.
Test Description	Click on the “Reject Reform” action on the “Reform Details” page. **Result:** The “Rejection of the Reform update” page is displayed. Click on the “Cancel” button. Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed. The reform is still present in the table.

Table 194: TC-PRO-72 test case

4.7 PUBLICATION USE CASES

The following section details test cases specific to publication functionalities. Please note that the expression of the data fields respect the convention used in the FS ([R01]).

4.7.1 PUBLICATION

Test Identifier	**TC-PUB-1**
Test Purpose	Test the availability of reminders on the Publication home page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Go to the home page. **Result:** • A table presenting the unattached taxes is available; • A table presenting the unattached measures is available; • A table presenting the unattached reforms is available; • A table presenting the reformed taxes is available.

Table 195: TC-PUB-1 test case

Test Identifier	**TC-PUB-2**
Test Purpose	Open the “Send a Reminder” Form.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The home page is displayed.
Test Description	Click on the “Send Reminder” button on the home page. **Result:** The “Send Reminder” page is displayed (DGF-04 form).

Table 196: TC-PUB-2 test case

Test Identifier	**TC-PUB-3**
Test Purpose	Cancel a “Send Reminder” action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-2 is executed.
Test Description	Click on the “Cancel” button on the “Send Reminder” page. **Result:** The home page is displayed.

Table 197: TC-PUB-3 test case

Test Identifier	**TC-PUB-4**
Test Purpose	Submit a “Send Reminder” form.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-2 is executed.
Test Description	Select at least one MS with "Country Contact Email" filled in. Click on the “Submit” button. **Result:** An empty email inside the email client is generated with the recipients selected in the “Send Reminder” form. The home page is displayed.

Table 198: TC-PUB-4 test case

Test Identifier	**TC-PUB-5**
Test Purpose	Select a tax to be validated from the home page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The home page is displayed with at least one new tax to be validated. No reform has been created or updated for this tax.
Test Description	On the home page, click on a tax name on the DGF-01 form displayed. **Result:** The Tax Details page is displayed with a description of the tax to be validated.

Table 199: TC-PUB-5 test case

Test Identifier	**TC-PUB-6**
Test Purpose	Cancel the “Select a Tax” action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-5 is executed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed.

Table 200: TC-PUB-6 test case

Test Identifier	**TC-PUB-7**
Test Purpose	Accept a tax to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher (private part). TC-PUB-5 is executed.
Test Description	Click on the “Accept Tax” button on the “Tax Details” page. **Result:** The modifications inputted by the MS are validated. The tax description is available to the IUs (in the public part). The home page is displayed. The validation of the tax is logged.

Table 201: TC-PUB-7 test case

Test Identifier	**TC-PUB-8**
Test Purpose	Reject a tax to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-5 is executed.
Test Description	Click on the “Reject Tax” button on the “Tax Details” page. **Result:** The validation of the modification inputted by the MS is rejected: the “Rejection of the Tax update” page is displayed.

Table 202: TC-PUB-8 test case

Test Identifier	**TC-PUB-9**
Test Purpose	Cancel the rejection of a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-8 is executed.
Test Description	Click on the “Cancel” button on the “Rejection of the Tax update” page. **Result:** The “Tax Details” page is displayed.

Table 203: TC-PUB-9 test case

Test Identifier	**TC-PUB-10**
Test Purpose	Amend a tax to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-5 is executed. The selected tax must be in SENT state.
Test Description	Click on the “Amend Tax” button on the “Tax Details” page. **Result:** The “Tax Form” page is displayed with the tax to be validated in read / write mode (CF-02 form). The tax status is AMENDED.

Table 204: TC-PUB-10 test case

Test Identifier	**TC-PUB-11**
Test Purpose	Accept an amended tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher (private part). TC-PUB-10 is executed.
Test Description	Click on the “Accept Tax” button on the “Tax Form” page. **Result:** The modifications inputted by the MS are validated. The tax description is available to the IUs (in the public part). The home page is displayed. The validation of the tax is logged.

Table 205: TC-PUB-11 test case

Test Identifier	**TC-PUB-12**
Test Purpose	Save an amended tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-10 is executed.
Test Description	Modify some details of the tax. Click on the “Save” button on the “Tax Form” page. **Result:** The home page is displayed. The tax is updated with the values inputted by the user.

Table 206: TC-PUB-12 test case

Test Identifier	**TC-PUB-13**
Test Purpose	Cancel the modification of a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-10 is executed.
Test Description	Modify some details of the tax. Click on the “Cancel” button on the “Tax Form” page. **Result:** The home page is displayed. The tax is not updated.

Table 207: TC-PUB-13 test case

Test Identifier	**TC-PUB-14**
Test Purpose	Test the transition from the “Tax Details” page to the “Measure Details” page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. There is at least one item in the "Reformed Taxes" table in the Home Page of the Tax Publisher.
Test Description	Click on a tax in the "Reformed Taxes" table. **Result:** The tax details are displayed. Click on the “Display Measure” button on the “Tax Details” page. **Result:** The “Measure Details” page with the details of the measure which impact the current tax is displayed (CF-01 and CF-03-RO forms).

Table 208: TC-PUB-14 test case

Test Identifier	**TC-PUB-15**
Test Purpose	Test the transition from the “Measure Details” page to the “Tax Details” page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-14 is executed.
Test Description	Click on the “Display Tax” button on the “Measure Details” page. **Result:** The “Tax Details” page with the details of the tax impacted by the current measure is displayed (CF-01 and CF-02-RO forms).

Table 209: TC-PUB-15 test case

Test Identifier	**TC-PUB-16**
Test Purpose	See more unattached measures.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The home page is displayed.
Test Description	Click on the “See More Unattached Measures” link on the home page. **Result:** The “Unattached Measures” page is displayed and the whole list of updated measures to be validated is available (DGF-02 form).

Table 210: TC-PUB-16 test case

Test Identifier	**TC-PUB-17**
Test Purpose	Cancel the “See More Unattached Measures” action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-16 is executed.
Test Description	Click on the “Back” button on the “Unattached Measures” page. **Result:** The home page is displayed.

Table 211: TC-PUB-17 test case

Test Identifier	**TC-PUB-18**
Test Purpose	See more reformed taxes.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The home page is displayed.
Test Description	Click on the “See More Reformed Taxes” link on the home page. **Result:** The “Reformed Taxes” page is displayed and the whole list of taxes to be validated which are updated by a measure is available (DGF-03 form).

Table 212: TC-PUB-18 test case

Test Identifier	**TC-PUB-19**
Test Purpose	Cancel the “See More Reformed Taxes” action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-18 is executed.
Test Description	Click on the “Back” button on the “Reformed Taxes” page. **Result:** The home page is displayed.

Table 213: TC-PUB-19 test case

Test Identifier	**TC-PUB-20**
Test Purpose	See more unattached taxes.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The home page is displayed.
Test Description	Click on the “See More Unattached Taxes" link on the home page. **Result:** The “Unattached Taxes” page is displayed with the whole list of taxes to be validated which are unattached to a measure is available (DGF-01 form).

Table 214: TC-PUB-20 test case

Test Identifier	**TC-PUB-21**
Test Purpose	Cancel the “See More Unattached Taxes” action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-20 is executed.
Test Description	Click on the “Back” button on the “Unattached Taxes” page. **Result:** The home page is displayed.

Table 215: TC-PUB-21 test case

Test Identifier	**TC-PUB-22**
Test Purpose	Test the selection of a tax from the “Unattached Taxes” page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-20 is executed.
Test Description	On the “Unattached Taxes” page, click on a tax name on the DGF-01 form displayed. **Result:** The “Tax Details” page is displayed with a description of the tax to be validated (CF-01 and CF-02-RO/RW forms).

Table 216: TC-PUB-22 test case

Test Identifier	**TC-PUB-23**
Test Purpose	Cancel the selection of a tax from the “Unattached Taxes” page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-22 is executed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner.. **Result:** The home page is displayed.

Table 217: TC-PUB-23 test case

Test Identifier	**TC-PUB-24**
Test Purpose	Test the selection of a tax from the “Reformed Taxes” page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-18 is executed.
Test Description	On the “Reformed Taxes” page, click on a tax name on the DGF-03 form displayed. **Result:** The “Tax Details” page is displayed with a description of the tax to be validated (CF-01 and CF-02-RO/RW forms).

Table 218: TC-PUB-24 test case

Test Identifier	**TC-PUB-25**
Test Purpose	Cancel the selection of a tax from the “Reformed Taxes” page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-24 is executed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed.

Table 219: TC-PUB-25 test case

Test Identifier	**TC-PUB-26**
Test Purpose	Test the “Configuration” action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The home page is displayed.
Test Description	Click on the “Configuration” menu on the home page. **Result:** The menu collapses. Click on the “Configuration” menu on the home page. **Result:** The menu expands and the following items are available: "Member States", "TAXREF Tax Types", "Users" and "Statistical Data".

Table 220: TC-PUB-26 test case

Test Identifier	**TC-PUB-27**
Test Purpose	Select a measure to be validated from the home page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The home page is displayed with at least one measure to be validated. No reform has been created or updated for this measure.
Test Description	On the home page, click on a measure name on the DGF-02 form displayed. **Result:** The “Measure Form” / “Measure Details” page is displayed with a description of the measure to be validated (CF-01 and CF-03-RO/RW forms).

Table 221: TC-PUB-27 test case

Test Identifier	**TC-PUB-28**
Test Purpose	Cancel the selection of a measure from the home page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-27 is executed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed.

Table 222: TC-PUB-28 test case

Test Identifier	**TC-PUB-29**
Test Purpose	Select a measure from the “Unattached Measures” page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-16 is executed.
Test Description	Select a measure on the Unattached Measures page by clicking on a measure name on the DGF-02 form displayed. **Result:** The “Measure Details” page is displayed with a description of the measure to be validated (CF-01 and CF-03-RO/RW forms).

Table 223: TC-PUB-29 test case

Test Identifier	**TC-PUB-30**
Test Purpose	Cancel the selection of a measure from the “Unattached Measures” page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-29 is executed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed.

Table 224: TC-PUB-30 test case

Test Identifier	**TC-PUB-31**
Test Purpose	Accept a measure to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-27 is executed.
Test Description	Click on the “Accept Measure” button on the “Measure Details” page. **Result:** The modifications inputted by the MS are validated. The measure description is available to the IUs. The home page is displayed. The validation of the measure is logged.

Table 225: TC-PUB-31 test case

Test Identifier	**TC-PUB-32**
Test Purpose	Reject a measure to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-27 is executed.
Test Description	Click on the “Reject Measure” button on the “Measure Details” / “Measure Form” page. **Result:** The validation of the modification inputted by the MS is rejected: the “Rejection of the Measure update” page is displayed (CF-05 form).

Table 226: TC-PUB-32 test case

Test Identifier	**TC-PUB-33**
Test Purpose	Cancel the rejection of a measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-32 is executed.
Test Description	Click on the “Cancel” button on the “Rejection of the Measure update” page. **Result:** The “Measure Details” page is displayed.

Table 227: TC-PUB-33 test case

Test Identifier	**TC-PUB-34**
Test Purpose	Amend a measure to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-27 is executed. The selected measure must be in SENT state.
Test Description	Click the “Amend Measure” button on the “Measure Details” page. **Result:** The “Measure Form” page is displayed with the measure to be validated in read / write mode (CF-03 form). The state of the measure is AMENDED.

Table 228: TC-PUB-34 test case

Test Identifier	**TC-PUB-35**
Test Purpose	Cancel the modification of a measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-34 is executed.
Test Description	Modify some details of the measure. Click on the “Cancel” button on the “Measure Form” page. **Result:** The “Measure Details” page is displayed (CF-01 and CF-03 forms). The measure is not updated.

Table 229: TC-PUB-35 test case

Test Identifier	**TC-PUB-36**
Test Purpose	Save an amended measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-34 is executed.
Test Description	Modify some details of the measure. Click on the “Save” button on the “Measure Form” page. **Result:** The measure is updated with the values inputted by the user.

Table 230: TC-PUB-36 test case

Test Identifier	**TC-PUB-37**
Test Purpose	Accept an amended measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-34 is executed.
Test Description	Click on the “Accept Measure” button on the “Measure Form” page. **Result:** The modifications inputted by the MS are validated. The measure description is available to the IUs. The home page is displayed. The validation of the measure is logged.

Table 231: TC-PUB-37 test case

Test Identifier	**TC-PUB-38**
Test Purpose	Reject a tax.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-8 is executed.
Test Description	Fill in CF-05 with free text. Click on the “Submit” button on the “Rejection of the Tax update” page. **Result:** The home page is displayed and the tax is not visible in the tax list.

Table 232: TC-PUB-38 test case

Test Identifier	**TC-PUB-39**
Test Purpose	Reject a measure.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-32 is executed.
Test Description	Fill in CF-05 with free text. Click on the “Submit” button on the “Rejection of the Measure update” page. **Result:** The home page is displayed and the measure is not visible in the measure list.

Table 233: TC-PUB-39 test case

Test Identifier	**TC-PUB-40**
Test Purpose	Select a reform to be validated from the home page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The home page is displayed with at least one reform to be validated.
Test Description	On the home page, click on a reform name on the DGF-05 form displayed. **Result:** The “Reform Details” page is displayed with a description of the reform to be validated (CF-04-RO/RW form).

Table 234: TC-PUB-40 test case

Test Identifier	**TC-PUB-41**
Test Purpose	Cancel the selection of a reform from the home page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-40 is executed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed.

Table 235: TC-PUB-41 test case

Test Identifier	**TC-PUB-42**
Test Purpose	Select a reform from the “Unattached Reform” list.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. *TC-PUB-42* is executed.
Test Description	Select a reform on the Unattached Reforms list by clicking on a reform name on the DGF-05 form displayed. **Result:** The “Reform Details” page is displayed with a description of the reform to be validated (CF-04-RO/RW forms).

Table 236: TC-PUB-42 test case

Test Identifier	**TC-PUB-43**
Test Purpose	Cancel the selection of a reform from the “Unattached Reforms” page.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-42 is executed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed.

Table 237: TC-PUB-43 test case

Test Identifier	**TC-PUB-44**
Test Purpose	Accept a reform to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-27 is executed.
Test Description	Click on the “Accept Reform” button on the “Reform Details” page. **Result:** The modifications inputted by the MS are validated. The reform description is available to the IUs. The home page is displayed. The validation of the reform is logged.

Table 238: TC-PUB-44 test case

Test Identifier	**TC-PUB-45**
Test Purpose	Reject a reform to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-40 is executed.
Test Description	Click on the “Reject Reform” button on the “Reform Details” page. **Result:** The validation of the modification inputted by the MS is rejected: the “Rejection of the Reform update” page is displayed (CF-05 form).

Table 239: TC-PUB-45 test case

Test Identifier	**TC-PUB-46**
Test Purpose	Cancel the rejection of a reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-45 is executed.
Test Description	Click on the “Cancel” button on the “Rejection of the Reform update” page. **Result:** The “Reform Details” page is displayed.

Table 240: TC-PUB-33 test case

Test Identifier	**TC-PUB-47**
Test Purpose	Amend a reform to be validated.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-27 is executed. The selected reform must be in SENT state.
Test Description	Click the “Amend Reform” button on the “Reform Details” page. **Result:** The “Reform Form” page is displayed with the reform to be validated in read / write mode (CF-05 form). The reform is in AMENDED state.

Table 241: TC-PUB-47 test case

Test Identifier	**TC-PUB-48**
Test Purpose	Cancel the modification of a reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-47 is executed.
Test Description	Modify some details of the reform. Click on the “Cancel” button on the “Reform Form” page. **Result:** The “Reform Details” page is displayed (CF -04 forms). The reform is not updated.

Table 242: TC-PUB-48 test case

Test Identifier	**TC-PUB-49**
Test Purpose	Save an amended reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-47 is executed.
Test Description	Modify some details of the reform. Click on the “Save” button on the “Reform Details” page. **Result:** The reform is updated with the values inputted by the user.

Table 243: TC-PUB-49 test case

Test Identifier	**TC-PUB-50**
Test Purpose	Accept an amended reform.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-47 is executed.
Test Description	Click on the “Accept Reform” button on the “Reform Details” page. **Result:** The modifications inputted by the MS are validated. The reform description is available to the IUs. The home page is displayed. The validation of the reform is logged.

Table 244: TC-PUB-50 test case

Test Identifier	**TC-PUB-51**
Test Purpose	Check the “Yearly Update” action on a Tax .
Priority	Must
Prerequisites	The user is authenticated as “Tax Publisher”. A Tax that has not been updated in the course of the current year exists.
Test Description	Go to the "Home Page" of the Publication section. **Result:** The taxes that have not been validated in the current year are displayed. The button “Yearly Update” is displayed and enabled. Click on the "Yearly Update" button. **Result:** The “Yearly Update” action is confirmed. A page is displayed, giving an overview of the actions performed on the tax during the previous year. The overview clearly highlights the taxes that have been created with the yearly update. In addition, the overview displays, if applicable, all the taxes in other states (e.g. “Draft”) and that have therefore not been yearly updated. A new tax is created and appears in the Taxes Under Progress List. The content of this tax is the same as the tax published in the previous year which can be found in the dissemination section.

Table 245: TC-PUB-51 test case

4.7.2 ADMINISTRATION

Test Identifier	**TC-PUB-52**
Test Purpose	Test the “Member States” list.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Extend the “Configuration” menu if it is not yet extended. Click on the "Member States" menu item. **Result:** A form that presents the list of available Member States is displayed.

Table 246: TC-PUB-52 test case

Test Identifier	**TC-PUB-53**
Test Purpose	Modify the available countries.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-52 is executed.
Test Description	Click on an item in the "Member States" table. **Result:** A form allows the user to change the details of the Member State. Change the details and click on "Cancel". **Result:** The details are not updated. Click on the “Add Member State” button. **Result:** A form allows the user to add a new Member State. Fill in the details and click on "Submit". **Result:** The new Member State is correctly created.

Table 247: TC-PUB-53 test case

Test Identifier	**TC-PUB-54**
Test Purpose	Modify the ISO Code and name of a country.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-52 is executed.
Test Description	Click on an item in the "Member States" table. **Result:** A form allows the user to change the details of the Member State. Change the "Country ISO Code" and "Country Name" and click on "Submit". **Result:** The details are correctly updated.

Table 248: TC-PUB-54 test case

Test Identifier	**TC-PUB-55**
Test Purpose	Modify the default currency and contact email address of a country.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-52 is executed.
Test Description	Click on an item in the "Member States" table. **Result:** A form allows the user to change the details of the Member State. Change the "Country Default Currency" and "Country Contact Email" and click on "Submit". **Result:** The details are correctly updated.

Table 249: TC-PUB-55 test case

Test Identifier	**TC-PUB-56**
Test Purpose	Update the taxes managed by TAXREF.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-52 is executed.
Test Description	Click on the "TAXREF Tax Types" menu item. **Result:** A form that presents the list of tax types is displayed. Click on an item in the table. **Result:** A form allows the user to change the details of the tax type. Change the details and click on "Cancel". **Result:** The details are not updated. Change the details and click on "Submit". **Result:** The details are updated.

Table 250: TC-PUB-56 test case

Test Identifier	**TC-PUB-57**
Test Purpose	Create a new user.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Extend the “Configuration” menu if it is not yet extended. Click on the "Users" menu item. **Result:** A form that presents the list of available users is displayed. Click on the “Add User” button. Enter valid “User Login”, "Last Name", "First Name", "Contact email", "Group", "Member State" and "Is enabled" data. Click on the “Submit” button. **Result:** The adding of a new user is committed and this action is logged. The “Users” page is displayed and the newly created user is present in the list.

Table 251: TC-PUB-57 test case

Test Identifier	**TC-PUB-58**
Test Purpose	Disable a user.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Extend the “Configuration” menu if it is not yet extended. Click on the "Users" menu item. **Result:** A form that presents the list of available users is displayed. Select the id of the authenticated user, untick the "Is enabled" checkbox. and click on the “Submit” button. **Result:** It is not possible to disable its own user. Select the id of another user, untick the "Is enabled" checkbox. and click on the “Submit” button. **Result:** It is not possible to connect to TEDBv2 with that user anymore. Re-enable the disable user. **Result:** The user can login to TEDBv2.

Table 252: TC-PUB-58 test case

Test Identifier	**TC-PUB-59**
Test Purpose	Save the modification of a user's details.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Extend the "Configuration" menu if it is not yet extended. Click on the "Users" menu item. **Result:** A form that presents the list of available users is displayed. Select a user. **Result:** All its data are updatable, except the "User login". Modify its "Last Name", "First Name", "Contact email", "Group", "Member State" and "Is enabled" fields. Click on the "Submit" button. **Result:** The changes in the user details are committed and the modification is logged.

Table 253: TC-PUB-59 test case

Test Identifier	**TC-PUB-60**
Test Purpose	Cancel the modification of a user's details.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Extend the "Configuration" menu if it is not yet extended. Click on the "Users" menu item. **Result:** A form that presents the list of available users is displayed. Select a user. **Result:** All its data are updatable, except the "User login". Modify its "Last Name", "First Name", "Contact email", "Group", "Member State" and "Is enabled" fields. Click on the "Cancel" button. **Result:** The changes in the user details are discarded.

Table 254: TC-PUB-60 test case

Test Identifier	**TC-PUB-61**
Test Purpose	Test the "updateStatisticalData()" action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. The home page is displayed.
Test Description	Click on the "Statistical Data" link. **Result:** The "Statistical Data" page is displayed with the AIF-03 form in read / write mode.

Table 255: TC-PUB-61 test case

Test Identifier	**TC-PUB-62**
Test Purpose	Upload “Total Tax Revenues”.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-61 is executed.
Test Description	Click on the first “Browse” button. Select the file referenced in section 5.4. Click on the “Upload” button on the “Statistical Data” page. **Result:** The “Total Tax Revenues” data file is uploaded from the local workstation of the authenticated user to the server . The uploaded statistical data are taken into account in the computed fields of the tax forms. The “Statistical Data” page is displayed.

Table 256: TC-PUB-62 test case

Test Identifier	**TC-PUB-63**
Test Purpose	Upload “GDP”.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-62 is executed.
Test Description	Click on the second “Browse" button. Select the file referenced in section 5.5. Click on the “Upload” button on the “Statistical Data” page. **Result:** The “GDP” data file is uploaded from the local workstation of the authenticated user to the server . The uploaded statistical data are taken into account in the computed fields of the tax forms. The “Statistical Data” page is displayed.

Table 257: TC-PUB-63 test case

Test Identifier	**TC-PUB-64**
Test Purpose	Add manually a statistical data.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-62 is executed.
Test Description	Click on the “Add Statistic Data” button on the “Statistical Data” page. Enter valid “Member State”, "Year", "GDP", "GDP in EUR", "Total Tax Revenue" and "Total Tax Revenue in EUR" data. Click on the “Submit” button. **Result:** The adding of a new statistic data is committed and this action is logged. The “Statistic Data” page is displayed and the newly created statistic data is present in the list. The new statistical data is taken into account in the computed fields of the tax forms.

Table 258: TC-PUB-64 test case

Test Identifier	**TC-PUB-65**
Test Purpose	Save the modifications of a statistical data.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-62 is executed.
Test Description	Select a statistic data. **Result:** All its data are updatable, except the "Member State" and “Year”. Modify its "GDP", "GDP in EUR", "Total Tax Revenue" and “Total Tax Revenue in EUR” fields. Click on the “Submit” button. **Result:** The changes in the statistic data details are committed and the modification is logged. The modified statistical data is taken into account in the computed fields of the tax forms.

Table 259: TC-PUB-65 test case

Test Identifier	**TC-PUB-66**
Test Purpose	Cancel the modifications of a statistical data.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-62 is executed.
Test Description	Select a statistic data. **Result:** All its data are updatable, except the "Member State" and “Year”. Modify its "GDP", "GDP in EUR", "Total Tax Revenue" and “Total Tax Revenue in EUR” fields. Click on the “Cancel” button. **Result:** The changes in the statistic data details are discarded.

Table 260: TC-PUB-66 test case

Test Identifier	**TC-PUB-67**
Test Purpose	Delete a statistic data.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. TC-PUB-62 is executed.
Test Description	Select a statistic data. Check the checkbox “Delete Statistic Data”. Click on the “Submit” button. **Result:** The statistic data is deleted and the deletion is logged. The deleted statistic data is not any more present in the list The deletion is taken into account in the computed fields of the tax forms.

Table 261: TC-PUB-67 test case

Test Identifier	**TC-PUB-68**
Test Purpose	Test the “goHome()” action.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher. One of the configuration pages is displayed.
Test Description	Click on the “Welcome, <username>” link in the Europa banner. **Result:** The home page is displayed.

Table 262: TC-PUB-68 test case

Test Identifier	**TC-PUB-69**
Test Purpose	Create a new question in the FAQ.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Extend the “Configuration” menu if it is not yet extended. Click on the "FAQ" menu item. **Result:** The existing FAQ is displayed. Click on the “Add a Question” button. Enter valid “Question” and "Answer". Select the user profile for which the question applies, a category for the question and an order. Click on the “Submit” button. **Result:** The adding of a new question is committed and this action is logged. The “FAQ” page is displayed and the newly created question is present in the list.

Table 263: TC-PUB-69 test case

Test Identifier	**TC-PUB-70**
Test Purpose	Delete a question in the FAQ.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Extend the “Configuration” menu if it is not yet extended. Click on the "FAQ" menu item. **Result:** The existing FAQ is displayed. Click on the “Delete” button displayed in front of the question to delete. **Result:** A popup is displayed, asking the user to confirm the delete action. Click on the “No” button. **Result:** The popup is closed. The question is still displayed in the list. Click anew the “Delete” button. Click on the “Yes” button. **Result:** The popup is closed. The question is not displayed in the list anymore.

Table 264: TC-PUB-70 test case

Test Identifier	**TC-PUB-71**
Test Purpose	Update a question in the FAQ.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Extend the “Configuration” menu if it is not yet extended. Click on the "FAQ" menu item. **Result:** The existing FAQ is displayed. Click on the “Update” button displayed in front of the question to update. **Result:** A popup is displayed in which question and the answer can be edited. Update the question. Click on the “Cancel” button. **Result:** The popup is closed. The question has not been updated. Click again on the “Update” button. Update the question and click on the “Submit” button. **Result:** The popup is closed. The question has been updated.

Table 265: TC-PUB-71 test case

Test Identifier	**TC-PUB-72**
Test Purpose	Test the Integration of the XLS Report on the state of TEDBv2.
Priority	Must
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Extend the “Configuration” menu if it is not yet extended. Click on the " TEDBv2 State " menu item. **Result:** A page containing an “Export TEDBv2 State” button and a drop-down list is displayed. Select a year in the drop-down list. Click on the “Export TEDBv2 State” button. **Result:** A popup is displayed, allowing the user to select a location to save the exported file. Select a location and confirms the action. **Result:** A file is saved at target location. The file is a XLS file and contains the state of TEDBv2 for the selected year: • Number of Created taxes in the selected year; • Number of Reformed taxes in the selected year; • Number of Updated taxes in the selected year; • Number of Created measures in the selected year; • Number of Updated measures in the selected year; • Number of Created reforms in the selected year; • Number of Updated reforms in the selected.

Table 266: TC-PUB-72 test case

4.8 DISSEMINATION USE CASES

Test Identifier	**TC-DIS-1**
Test Purpose	Perform a tax search.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The “Search Tax” is displayed.
Test Description	Fill in the criteria part (IUF-01 form) and click on “Search”. **Result:** The results are displayed in RO mode (IUF-03 form).

Table 267: TC-DIS-1 test case

Test Identifier	**TC-DIS-2**
Test Purpose	Perform a search on old taxes.
Priority	Must
Prerequisites	The user is on the TEDBv2 public Web site. The “Search Tax” is displayed.
Test Description	Fill in the criteria part (IUF-01 form): • Enter "2008/01/01" in the "From" date. • Enter "2008/12/31" in the "To" date. Click on "Search". **Result:** Only taxes of the year 2008 are displayed.

Table 268: TC-DIS-2 test case

Test Identifier	**TC-DIS-3**
Test Purpose	Export tax search results.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-1 is executed.
Test Description	Click on the “Export Results” button on the “Search Tax Results” page. **Result:** The list of results are exported in a CSV format file. Only the columns displayed are exported.

Table 269: TC-DIS-3 test case

Test Identifier	**TC-DIS-4**
Test Purpose	Select a tax from a tax search.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-1 is executed.
Test Description	Select a tax and click on the “View Selected Taxes” button. **Result:** The “Tax Details” page is displayed with the details in RO mode of the selected tax (CF-01 and CF-02-RO forms).

Table 270: TC-DIS-4 test case

Test Identifier	**TC-DIS-5**
Test Purpose	Select several taxes from a tax search.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-1 is executed.
Test Description	Select several taxes and click on the “View Selected Taxes” button. **Result:** The “Tax Details” page is displayed with the details in RO mode of the selected taxes (CF-01 and CF-02-RO forms).

Table 271: TC-DIS-5 test case

Test Identifier	**TC-DIS-6**
Test Purpose	Select a measure from a tax on the “Tax Details” page.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-4 is executed.
Test Description	On the "Tax Details" page, click on a measure name. **Result:** The “Measure Details” page is displayed with the details of the selected measure (CF-03-RO form).

Table 272: TC-DIS-6 test case

Test Identifier	**TC-DIS-7**
Test Purpose	Select a measure from a tax on the “Tax Details” page.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-5 is executed.
Test Description	On the "Tax Details" page, click on a measure name. **Result:** The “Measure Details” page is displayed with the details of the selected measure (CF-03-RO form).

Table 273: TC-DIS-7 test case

Test Identifier	**TC-DIS-8**
Test Purpose	Perform a reform search.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. The "Search a Reform" is displayed.
Test Description	Fill in the criteria part (IUF-02 form) and click on “Search”. **Result:** The results are displayed in RO mode (IUF-04 form).

Table 274: TC-DIS-8 test case

Test Identifier	**TC-DIS-9**
Test Purpose	Export reform search results.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-8 is executed.
Test Description	Click on the “Export Results” button on the “Search Reform Results” page. **Result:** The list of results are exported in a CSV format file. Only the columns displayed are exported.

Table 275: TC-DIS-9 test case

Test Identifier	**TC-DIS-10**
Test Purpose	Select a reform from a reform search.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-8 is executed.
Test Description	Select a reform by clicking on its name. **Result:** The “Reform Details” page is displayed with the details in RO mode of the selected reform (CF-01 and CF-04-RO forms).

Table 276: TC-DIS-10 test case

Test Identifier	**TC-DIS-11**
Test Purpose	Select several reforms from a reform search.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-8 is executed.
Test Description	Select several reforms and click on the “View Selected Reforms” button. **Result:** The “Reforms Details” page is displayed with the details in RO mode of the selected reforms (CF-01 and CF-04-RO forms).

Table 277: TC-DIS-11 test case

Test Identifier	**TC-DIS-12**
Test Purpose	Select a measure from a reform on the “Reform Details” page.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-10 is executed.
Test Description	On the "Reform Details" page, click on a measure name. **Result:** The “Measure Details” page is displayed with the details of the selected measure (CF-03-RO form).

Table 278: TC-DIS-12 test case

Test Identifier	**TC-DIS-13**
Test Purpose	Select a measure from a reform on the “Reform Details” page.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-11 is executed.
Test Description	On the "Reform Details" page, click on a measure name. **Result:** The “Measure Details” page is displayed with the details of the selected measure (CF-03-RO form).

Table 279: TC-DIS-13 test case

Test Identifier	**TC-DIS-14**
Test Purpose	Select the tax linked to a measure.
Priority	Must
Prerequisites	The user is on the TEDB public Web site. TC-DIS-12 is executed.
Test Description	Click on the “Display Tax” button from the “Measure Details” page. **Result:** The “Tax Details” page is displayed with the details of the tax linked to the measure (CF-01 and CF-02-RO forms).

Table 280: TC-DIS-14 test case

4.9 ERRONEOUS

Test Identifier	**TC-ERR-1**
Test Purpose	Test the behaviour of the application when the deployment in WebLogic has failed.
Priority	Must
Prerequisites	-
Test Description	Go to the ORACLE WebLogic Server Administration Console, then: • Go to the Datasources management screen; • Select the datasource of TEDBv2 (with "JNDI Name" = "tedbDatasource"); • Change its "JNDI Name" to "tedbDatasource.bak"; • Go to the Deployments management screen; • Select the Deployment of TEDBv2; • Click on "Update" to re-deploy the TEDBv2 application. **Result:** An error message is displayed attesting the failure of the deployment. Go to the "Home Page" of the Production interface. **Result:** The “404 Error Page” is displayed. Go to the "Home Page" of the Validation interface. **Result:** The “404 Error Page” is displayed. Go to the "Home Page" of the Production section. **Result:** The “404 Error Page” is displayed. Go to the "Home Page" of the Dissemination section. **Result:** The “404 Error Page” is displayed. Restore the configuration of the application: • Go to the ORACLE WebLogic Server Administration Console; • Go to the Datasources management screen;

	• Select the datasource of TEDBv2 (with "JNDI Name" = "tedbDatasource"); • Change its "JNDI Name" to "tedbDatasource"; • Go to the Deployments management screen; • Select the Deployment of TEDBv2; • Click on "Update" to re-deploy the TEDBv2 application. **Result:** The deployment is successful. Run TC-DEP-1. Run TC-DEP-2. Run TC-DEP-3. Run TC-DEP-4. Run TC-DEP-5.

Table 281: TC-ERR-1 test case

Test Identifier	**TC-ERR-2**
Test Purpose	Test the behaviour of the application when the database is unavailable.
Priority	Must
Prerequisites	-
Test Description	Shutdown the Oracle database of TEDBv2 (e.g. `shutdown immediate`). Go to the "Home Page" of the Production interface. **Result:** A message explaining that the datasource is unavailable is displayed. Go to the "Home Page" of the Validation interface. **Result:** A message explaining that the datasource is unavailable is displayed. Go to the "Home Page" of the Production section. **Result:** A message explaining that the datasource is unavailable is displayed. Go to the "Home Page" of the Dissemination section and click on "Search a tax". **Result:** A message explaining that the datasource is unavailable is displayed. Restart the Oracle database of TEDBv2 (e.g. `startup`). Run TC-DEP-1. Run TC-DEP-2. Run TC-DEP-3. Run TC-DEP-4. Run TC-DEP-5.

Table 282: TC-ERR-2 test case

Test Identifier	**TC-ERR-3**
Test Purpose	Test the behaviour of the application when the ECAS server is unavailable.
Priority	Must
Prerequisites	TEDBv2 uses the ECAS server to authenticate the users, and not the ECAS mock-up.
Test Description	Disable the ECAS (e.g. shutdown the ECAS server). Go to the "Home Page" of the Production interface. **Result:** The “404 Error Page” is displayed. Go to the "Home Page" of the Validation interface. **Result:** The “404 Error Page” is displayed. Go to the "Home Page" of the Production section. **Result:** The “404 Error Page” is displayed. Run TC-DEP-1 to check that the "Home Page" of the Dissemination section is available even without any ECAS server. Enable the ECAS server (e.g. restart the ECAS server). Run TC-DEP-1. Run TC-DEP-2. Run TC-DEP-3. Run TC-DEP-4. Run TC-DEP-5..

Table 283: TC-ERR-3 test case

Test Identifier	**TC-ERR-4**
Test Purpose	Test the behaviour when the user tries to upload invalid statistical data for "Total Tax Revenues".
Priority	Should
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Go to the "Statistical Data" Web page. In the section "Local Total Tax Revenues file", click on the "browse" button and select the file referenced in section 5.2.1. Click on the "Upload" button. **Result:** The page displays the error message "Line X: Year 'Y' is invalid.". In the section "Local Total Tax Revenues file", click on the "browse" button and select the file referenced in section 5.2.2. Click on the "Upload" button. **Result:** The page displays the error message "Line X: Amount 'Y' is invalid.".

Table 284: TC-ERR-4 test case

Test Identifier	**TC-ERR-5**
Test Purpose	Test the behaviour when the user tries to upload invalid statistical data for "Gross Domestic Product".
Priority	Should
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Go to the "Statistical Data" Web page. In the section " Local GDP file ", click on the "browse" button and select the file referenced in section 5.3.1. Click on the "Upload" button. **Result:** The page displays the error message "Line X: Year 'Y' is invalid.". In the section Local GDP file ", click on the "browse" button and select the file referenced in section 5.3.2. Click on the "Upload" button. **Result:** The page displays the error message "Line X is invalid.".

Table 285: TC-ERR-5 test case

Test Identifier	**TC-ERR-6**
Test Purpose	Test the behaviour when the user tries to enter manually an invalid statistical data.
Priority	Should
Prerequisites	The user is authenticated as a Tax Publisher.
Test Description	Go to the "Statistical Data" Web page. Click on the “Add Statistic Data” button. Enter invalid "Year", "GDP", "GDP in EUR", "Total Tax Revenue" or "Total Tax Revenue in EUR" data. Click on the “Submit” button. **Result:** The page displays the error message "The values entered are not correct. Please check your input.".

Table 286: TC-ERR-6 test case

Test Identifier	**TC-ERR-7**
Test Purpose	Test the behaviour when two users try to update the same tax with the first user quicker than the second one.
Priority	Must
Prerequisites	Two different Tax Encoder users are available: TaxEncoderBE and TaxEncoderBE2. They are from the same Member State. Two different workstations are available: WorkStation1 used by TaxEncoderBE and WorkStation2 used by TaxEncoderBE2.
Test Description	TaxEncoderBE performs the test case TC-PRO-52. Then, TaxEncoderBE2 performs the test case TC-PRO-52 with the same tax. **Result:** Both test cases are successful. TaxEncoderBE updates the field CF-02-01-19 with the value "Council Regulation (EC) No 1 by TaxEncoderBE", and saves the tax. **Result:** The save is correctly performed. TaxEncoderBE2 updates the field CF-02-01-19 with the value "Council Regulation (EC) No 2 by TaxEncoderBE2", and saves the tax. **Result:** An error message is displayed, and the modifications are discarded.

Table 287: TC-ERR-7 test case

Test Identifier	**TC-ERR-8**
Test Purpose	Test the behaviour when two users try to update the same tax with the second user quicker than the first one.
Priority	Must
Prerequisites	Two different Tax Encoder users are available: TaxEncoderBE and TaxEncoderBE2. They are from the same Member State. Two different workstations are available: WorkStation1 used by TaxEncoderBE and WorkStation2 used by TaxEncoderBE2.
Test Description	TaxEncoderBE performs the test case TC-PRO-52. Then, TaxEncoderBE2 performs the test case TC-PRO-52 with the same tax. **Result:** Both test cases are successful. TaxEncoderBE2 updates the field CF-02-01-19 with the value "Council Regulation (EC) No 2 by TaxEncoderBE2", and saves the tax. **Result:** The save is correctly performed. TaxEncoderBE updates the field CF-02-01-19 with the value "Council Regulation (EC) No 1 by TaxEncoderBE", and saves the tax. **Result:** An error message is displayed, and the modifications are discarded.

Table 288: TC-ERR-8 test case

Test Identifier	**TC-ERR-9**
Test Purpose	Test the behaviour when a user tries to delete a tax with the second user who tries to display the tax.
Priority	Must
Prerequisites	Two different Tax Encoder users are available: TaxEncoderBE and TaxEncoderBE2. They are from the same Member State. Two different workstations are available: WorkStation1 used by TaxEncoderBE and WorkStation2 used by TaxEncoderBE2.
Test Description	TaxEncoderBE displays the home page. TaxEncoderBE2 performs the test case TC-PRO-52. **Result:** The test case is successful. TaxEncoderBE2 clicks on the “Delete” button. **Result:** The draft of the corrected tax is deleted. The home page is displayed. The deletion of the corrected tax is logged. TaxEncoderBE clicks on the tax deleted by TaxEncoderBE2 in the list of taxes to display it. **Result:** An alert is displayed: "! Alert: There is no tax with the given ID: <nnnn/YYYY-MM-DD>"..

Table 289: TC-ERR-9 test case

Test Identifier	**TC-ERR-10**
Test Purpose	Test the behaviour when two users try to update the same measure.
Priority	Must
Prerequisites	Two different Tax Encoder users are available: TaxEncoderBE and TaxEncoderBE2. They are from the same Member State. Two different workstations are available: WorkStation1 used by TaxEncoderBE and WorkStation2 used by TaxEncoderBE2.
Test Description	TaxEncoderBE performs the test case TC-PRO-53. Then, TaxEncoderBE2 performs the test case TC-PRO-53 with the same measure. **Result:** Both test cases are successful. TaxEncoderBE updates the field CF-03-02 with the value "Increase of tax rate by TaxEncoderBE", and saves the measure. **Result:** The save is correctly performed. TaxEncoderBE2 updates the field CF-03-02 with the value "Increase of tax rate by TaxEncoderBE2", and saves the measure. **Result:** An error message is displayed, and the modifications are discarded.

Table 290: TC-ERR-10 test case

Test Identifier	**TC-ERR-11**
Test Purpose	Test the behaviour when two users try to update the same measure with the second user quicker than the first one.
Priority	Must
Prerequisites	Two different Tax Encoder users are available: TaxEncoderBE and TaxEncoderBE2. They are from the same Member State. Two different workstations are available: WorkStation1 used by TaxEncoderBE and WorkStation2 used by TaxEncoderBE2.
Test Description	TaxEncoderBE performs the test case TC-PRO-53. Then, TaxEncoderBE2 performs the test case TC-PRO-53 with the same measure. **Result:** Both test cases are successful. TaxEncoderBE2 updates the field CF-03-02 with the value "Increase of tax rate by TaxEncoderBE2", and saves the measure. **Result:** The save is correctly performed. TaxEncoderBE updates the field CF-03-02 with the value "Increase of tax rate by TaxEncoderBE", and saves the measure. **Result:** An error message is displayed, and the modifications are discarded.

Table 291: TC-ERR-11 test case

Test Identifier	**TC-ERR-12**
Test Purpose	Test the behaviour when two users try to reject the same tax with the first user quicker than the second one.
Priority	Must
Prerequisites	Two different Tax Publisher users are available: TaxPublisher1 and TaxPublisher2. Two different workstations are available: WorkStation1 used by TaxPublisher1 and WorkStation2 used by TaxPublisher2.
Test Description	TaxPublisher1 performs the test case TC-PUB-8. Then, TaxPublisher2 performs the test case TC-PUB-8 with the same tax. **Result:** Both test cases are successful. TaxPublisher1 updates the field CF-05-01 with the value "the tax rate seems erroneous - by TaxPublisher1", and submits the rejection. **Result:** The rejection is successfully submitted. The home page is displayed and the tax is not visible in the taxes list. TaxPublisher2 updates the field CF-05-01 with the value "the tax rate seems erroneous - by TaxPublisher2", and submits the rejection. **Result:** An error message is displayed: "! Alert: The tax/measure has not been rejected due to an optimistic locking.".

Table 292: TC-ERR-12 test case

Test Identifier	**TC-ERR-13**
Test Purpose	Test the behaviour when two users try to reject the same tax with the second user quicker than the first one.
Priority	Must
Prerequisites	Two different Tax Publisher users are available: TaxPublisher1 and TaxPublisher2. Two different workstations are available: WorkStation1 used by TaxPublisher1 and WorkStation2 used by TaxPublisher2.
Test Description	TaxPublisher1 performs the test case TC-PUB-8. Then, TaxPublisher2 performs the test case TC-PUB-8 with the same tax. **Result:** Both test cases are successful. TaxPublisher2 updates the field CF-05-01 with the value "the tax rate seems erroneous - by TaxPublisher2", and submits the rejection. **Result:** The rejection is successfully submitted. The home page is displayed and the tax is not visible in the taxes list. TaxPublisher1 updates the field CF-05-01 with the value "the tax rate seems erroneous - by TaxPublisher1", and submits the rejection. **Result:** An error message is displayed: "! Alert: The tax/measure has not been rejected due to an optimistic locking.".

Table 293: TC-ERR-13 test case

Test Identifier	**TC-ERR-14**
Test Purpose	Test the behaviour when two users try to reject the same measure with the first user quicker than the second one.
Priority	Must
Prerequisites	Two different Tax Publisher users are available: TaxPublisher1 and TaxPublisher2. Two different workstations are available: WorkStation1 used by TaxPublisher1 and WorkStation2 used by TaxPublisher2.
Test Description	TaxPublisher1 performs the test case TC-PUB-32. Then, TaxPublisher2 performs the test case TC-PUB-32 with the same measure. **Result:** Both test cases are successful. TaxPublisher1 updates the field CF-05-01 with the value "the measure name seems erroneous - by TaxPublisher1", and submits the rejection. **Result:** The rejection is successfully submitted. The home page is displayed and the measure is not visible in the measures list. TaxPublisher2 updates the field CF-05-01 with the value "the measure name seems erroneous - by TaxPublisher2", and submits the rejection. **Result:** An error message is displayed: "! Alert: The tax/measure has not been rejected due to an optimistic locking.".

Table 294: TC-ERR-14 test case

Test Identifier	**TC-ERR-15**
Test Purpose	Test the behaviour when two users try to reject the same measure with the second user quicker than the first one.
Priority	Must
Prerequisites	Two different Tax Publisher users are available: TaxPublisher1 and TaxPublisher2. Two different workstations are available: WorkStation1 used by TaxPublisher1 and WorkStation2 used by TaxPublisher2.
Test Description	TaxPublisher1 performs the test case TC-PUB-32. Then, TaxPublisher2 performs the test case TC-PUB-32 with the same measure. **Result:** Both test cases are successful. TaxPublisher2 updates the field CF-05-01 with the value "the measure name seems erroneous - by TaxPublisher2", and submits the rejection. **Result:** The rejection is successfully submitted. The home page is displayed and the measure is not visible in the measures list. TaxPublisher1 updates the field CF-05-01 with the value "the measure name seems erroneous - by TaxPublisher1", and submits the rejection. **Result:** An error message is displayed: "! Alert: The tax/measure has not been rejected due to an optimistic locking.".

Table 295: TC-ERR-15 test case

Test Identifier	**TC-ERR-16**
Test Purpose	Test the behaviour of handling forms with data violating the “filledIf(DFx=’No’ AND DFy=’No’)” rule.
Priority	Should
Prerequisites	The user is authenticated as TaxEncoderAT.
Test Description	Go to the "Home Page" of the Production section. In the "Taxes Under Progress List", click on the "Invalid Tax - FilledIf" tax. **Result:** The "Tax Form" Web page is displayed. In the "Who sets" sections, no checkbox is checked in the fields "The tax rate is set by", "The tax base is set by" and "The reliefs are set by". Check a checkbox in the fields "The tax rate is set by", "The tax base is set by" or "The reliefs are set by". **Result:** The "Comments" field is displayed and is empty.

Table 296: TC-ERR-16 test case

Test Identifier	**TC-ERR-17**
Test Purpose	Test the behaviour of handling forms with an invalid “Year” in a field in the Production section.
Priority	Should
Prerequisites	The user is authenticated as TaxEncoderAT.
Test Description	Go to the "Home Page" of the Production section. In the "Taxes Under Progress List", click on the "Invalid Tax - Year" tax. **Result:** The "Tax Form" Web page is displayed. In the "Tax revenue" table, the "Year" field is empty.

Table 297: TC-ERR-17 test case

Test Identifier	**TC-ERR-18**
Test Purpose	Attempt to authenticate with an invalid login.
Priority	Must
Prerequisites	The user is not authenticated to the application.
Test Description	Go to the "Home Page" of the Publication section (%TEDB_ROOT%/private/homeTaxud.html). **Result:** The user is redirected to the authentication page of ECAS. Enter a login and a password unknown by ECAS and try to authenticate. **Result:** An error message is displayed regarding the wrong login entered. The user is not authenticated.. Enter a login and a password known by ECAS but not authorised to use TEDBv2, and try to authenticate. **Result:** The user is redirected to the "Authentication Error" Web page of TEDBv2 and an error message is displayed regarding the wrong login entered. The user is not authenticated. The unauthorised operation is logged.

Table 298: TC-ERR-18 test case

Test Identifier	**TC-ERR-19**
Test Purpose	Attempt to authenticate with an invalid password.
Priority	Must
Prerequisites	The user is not authenticated to the application.
Test Description	Go to the "Home Page" of the Publication section (%TEDB_ROOT%/private/homeTaxud.html). **Result:** The user is redirected to the authentication page of ECAS. Enter a valid login with an invalid password and try to authenticate. **Result:** An error message is displayed regarding the wrong password entered. The user is not authenticated.

Table 299: TC-ERR-19 test case

Test Identifier	**TC-ERR-20**
Test Purpose	Attempt to access a Web page of the Production section when not authenticated.
Priority	Must
Prerequisites	The user is not authenticated to the application.
Test Description	Try to access the "Home Page" of the Production section (%TEDB_ROOT%/private/homeMsa.html). **Result:** The user is redirected to the authentication page of ECAS. It is not possible to access the "Home Page" of the Production section without authenticating to the application.

Table 300: TC-ERR-20 test case

Test Identifier	**TC-ERR-21**
Test Purpose	Attempt to access a Web page of the Publication section when not authenticated.
Priority	Must
Prerequisites	The user is not authenticated to the application.
Test Description	Try to access the "Home Page" of the Publication section (%TEDB_ROOT%/private/homeTaxud.html). **Result:** The user is redirected to the authentication page of ECAS. It is not possible to access the "Home Page" of the Publication section without authenticating to the application.

Table 301: TC-ERR-21 test case

Test Identifier	**TC-ERR-22**
Test Purpose	Attempt to access a tax from BE with a Tax Encoder from AT.
Priority	Must
Prerequisites	The user TaxEncoderBE is authenticated to the application.
Test Description	Execute the test cases TC-PRO-6 and TC-PRO-7. Copy the URL of the displayed page to the clipboard. • Login to TEDBv2 with TaxEncoderCheckerBE – This user belongs to the group Tax Encoder Checker and to the Member State "Belgium"; TaxEncoderAT. Paste the copied URL on the address bar of the Web browser. **Result:** An error message is displayed regarding the unauthorised access to a Web page. The unauthorised operation is logged.

Table 302: TC-ERR-22 test case

4.10 PERFORMANCE AND STRESS

Test Identifier	**TC-PERF-1**
Test Purpose	Test the behaviour of the application when the installation is performed under a stressed environment.
Priority	Should
Prerequisites	The application is not installed
Test Description	Run the stress tool (e.g. JMeter with the configuration file described in section 5.6.1) to stress the WebLogic server under one access per second to the application. **Result:** The JMeter tool returns 100% of errors because it cannot access to TEDBv2 during the installation process. Install the application. **Result:** The application is correctly installed. The JMeter tool can successfully access to TEDBv2 (the percentage of errors is decreasing). Stop the JMeter tool. Run TC-DEP-1. Run TC-DEP-2. Run TC-DEP-3. Run TC-DEP-5.

Table 303: TC-PERF-1 test case

Test Identifier	**TC-PERF-2**
Test Purpose	Test the behaviour of the application when it is stressed.
Priority	Should
Prerequisites	-
Test Description	Run the stress tool (e.g. JMeter with the configuration file described in section 5.6.2) to stress TEDBv2 under three simultaneous access to the application during 5 minutes. **Result:** The stress tool can successfully access to TEDBv2 (0% of errors).

Table 304: TC-PERF-2 test case

Test Identifier	**TC-PERF-3**
Test Purpose	Test the performance of the application for a tax search.
Priority	Should
Prerequisites	The user is not authenticated
Test Description	Go to the "Search Tax" page of the Dissemination section. Enter criteria in the keyword field. Click on the Search button. **Result:** The results of the search as displayed in less than 5 seconds. Remove the criteria from the keyword field. Enter criteria in the advanced search fields. Click on the Search button. **Result:** The results of the search as displayed in less than 5 seconds. Enter criteria in the keyword field and in the advanced search fields. Click on the Search button. **Result:** The results of the search as displayed in less than 5 seconds. Remove criteria in the keyword field. In the advanced search fields, enter a first criterion on the percentage of GDP, and a second criterion on the percentage of Total Tax Revenues. Click on the Search button. **Result:** The results of the search as displayed in less than 5 seconds. Remove all criteria in the keyword field and in the advanced search fields. Click on the Search button. **Result:** The results of the search as displayed in less than 5 seconds.

Table 305: TC-PERF-3 test case

Test Identifier	**TC-PERF-4**
Test Purpose	Test the performance of the application for a tax search when the application is stressed.
Priority	Should
Prerequisites	The user is not authenticated
Test Description	Run the stress tool (e.g. JMeter with the configuration file described in section 5.6.2) to stress TEDBv2 under one attempt per second to the "Home Page" of the Dissemination section. Execute TC-PERF-3 while the application is under stress. **Result:** Each response time does not exceed 200% of the expected response time in TC-PERF-3.

Table 306: TC-PERF-4 test case

Test Identifier	**TC-PERF-5**
Test Purpose	Test the performance of the application for a reform search.
Priority	Should
Prerequisites	The user is not authenticated
Test Description	Go to the "Search Reform" page of the Dissemination section. Enter criteria in the search fields. Click on the Search button. **Result:** The results of the search as displayed in less than 10 seconds.

Table 307: TC-PERF-5 test case

Test Identifier	**TC-PERF-6**
Test Purpose	Test the performance of the application when the user creates a new tax.
Priority	Should
Prerequisites	The user is authenticated as a Tax Encoder
Test Description	Execute TC-PRO-3. **Result:** The server replies to the "Save" action in less than 5 seconds.

Table 308: TC-PERF-6 test case

Test Identifier	**TC-PERF-7**
Test Purpose	Test the performance of the application when the user updates an existing tax.
Priority	Should
Prerequisites	The user is authenticated as a Tax Encoder
Test Description	Execute TC-PRO-9. **Result:** The server replies to the "Save" action in less than 5 seconds.

Table 309: TC-PERF-7 test case

Test Identifier	**TC-PERF-8**
Test Purpose	Test the performance of the application when the user uploads statistical data for "Total Tax Revenues".
Priority	Should
Prerequisites	The user is authenticated as a Tax Publisher
Test Description	Execute TC-PUB-62. **Result:** The server replies to the "Save" action in less than 10 minutes.

Table 310: TC-PERF-8 test case

Test Identifier	**TC-PERF-9**
Test Purpose	Test the performance of the application when the user uploads statistical data for "GDP".
Priority	Should
Prerequisites	The user is authenticated as a Tax Publisher
Test Description	Execute TC-PUB-63. **Result:** The server replies to the "Save" action in less than 10 minutes.

Table 311: TC-PERF-9 test case

Test Identifier	**TC-PERF-10**
Test Purpose	Test the performance of the application when the user publishes a tax.
Priority	Should
Prerequisites	The user is authenticated as a Tax Publisher
Test Description	Execute TC-PUB-7. **Result:** The server replies to the "Publish" action in less than 5 seconds.

Table 312: TC-PERF-10 test case

Test Identifier	**TC-PERF-11**
Test Purpose	Test the performance of the application when the user exports search taxes results.
Priority	Should
Prerequisites	-
Test Description	Execute TC-DIS-3. **Result:** The server replies to the "Publish" action in less than 5 seconds.

Table 313: TC-PERF-11 test case

Test Identifier	**TC-PERF-12**
Test Purpose	Test the performance of the application when the user exports search reforms results.
Priority	Should
Prerequisites	-
Test Description	Execute TC-DIS-9. **Result:** The server replies to the "Publish" action in less than 5 seconds.

Table 314: TC-PERF-12 test case

5 ANNEX I - TEST DATA

The present annex contains the Test Data that can be used to perform the tests. This data should be used only if a database is not available for the tests.

5.1 TEST DATABASE

SQL script: InsertTestData.sql

5.1.1 WORKFLOW TESTS

5.1.1.1 Tax in the "NEW" state

MS: AT

Name: Other Tax - New

5.1.1.2 Tax in the "CORRECTION" state

MS: AT

Name: Other Tax - Correction

5.1.1.3 Tax in the "SENT" state

MS: AT

Name: Other Tax - Sent

5.1.1.4 Tax in the "TO_BE_VALIDATED" state

MS: AT

Name: Other Tax - Validated

5.1.1.5 Measure in the "CORRECTION" state

MS: AT

Name: Measure - Correction

5.1.1.6 Measure in the "SENT" state

MS: AT

Name: Measure - Sent

5.1.1.7 Tax from "BE"

MS: BE

Name: Other Tax – From BE

5.1.2 INVALID TAXES

5.1.2.1 Tax violating the “filledIf(DFx=’No’ AND DFy=’No’)” rule

MS: BE

Name: Invalid Tax - FilledIf

5.1.2.2 Tax with invalid "Year" format

MS: BE

Name: Invalid Tax - Year

5.1.3 INVALID MEASURES

5.1.3.1 Measure violating the “filledIf(DFx=’No’ AND DFy=’No’)” rule

MS: AT

Name: Measure - Invalid

5.2 INVALID "TOTAL TAX REVENUES" FILES

5.2.1 INVALID YEAR

CSV file: invalid_ttr_year.csv

5.2.2 INVALID TOTAL TAX REVENUE

CSV file: invalid_ttr.csv

5.3 INVALID "GROSS DOMESTIC PRODUCTS" FILES

5.3.1 INVALID YEAR

CSV file: invalid_gdp_year.csv

5.3.2 INVALID TOTAL TAX REVENUE

CSV file: invalid_gdp.csv

5.4 VALID "TOTAL TAX REVENUES" FILE

CSV file: ttr.csv

5.5 VALID "GROSS DOMESTIC PRODUCTS" FILE

CSV file: gdp.csv

5.6 JMETER CONFIGURATION FILES

5.6.1 INSTALLATION UNDER STRESS

JMX file: StressTestsInstallation.jmx

5.6.2 STRESSED PUBLIC WEB SITE

JMX file: StressTests.jmx