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<p>TAXATION AND CUSTOMS UNION DG</p> <p>SUBJECT:</p> <p>DLV-0.1-1_Application Development</p>		
<p>CUST-DEV2</p> <p>[REMOVED]</p>		

CUST-DEV2	REF: [REMOVED]
APPLICATION DEVELOPMENT	
DOCUMENT HISTORY	

DOCUMENT HISTORY

Version	Date	Description	Action (*)	Pages
0.02	13/08/2010	Submitted for Information	I	All
0.03	09/09/2010	Submitted for Review	R	6,8
0.11	21/09/2010	Internal Review after Implementation of Review Comment	I/R	ALL
0.12	25/10/2010	Submitted for Information		
0.13	5/11/2010	Internal Review	I/R	All
1.00	15/11/2010	Submitted for Acceptance		
1.01	13/12/2010	Re-Submitted for Acceptance		

(*) Action: I = Insert R = Replace

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APPLICATION DEVELOPMENT	
INTRODUCTION	

1 INTRODUCTION

1.1 Scope

This annex is a general introduction to the development of applications as managed under DG TAXUD R5 and the general description of the testing process.

1.2 References

RD#	Title	Originator	Version	Date
[RD1]	TEMPO - Glossary of Terms (tmp-gen-gls)	DG TAXUD/R4	2.04-EN	01-Aug-07
[RD2]	TEMPO – Application Management – reference manual (tmp-ref-apm)	DG TAXUD/R4	1.10-EN	09-Feb-09
[RD3]	CUSTOMS-PQP	DG TAXUD	1.60-EN	14-Jan-09
[RD4]	TEMPO Testing Reference Manual (tmp-ref-tst)	DG TAXUD	1.10-EN	25-Apr-08
[RD5]	TEMPO Application Development Reference Manual (tmp-ref-apd)	DG TAXUD	3.03	19-Jul-10
[RD6]	TEMPO Trans European Systems Reference Manual (tmp-ref-tes)	DG TAXUD	1.21	9-Mar-09

Table 1-1: Reference documents

1.3 Acronyms and Abbreviations

A table with the used Acronyms and Abbreviations can be found in Annex 19 of the FQP.

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APPLICATIONS SPECIFICATIONS	

2 APPLICATIONS SPECIFICATIONS

CUST-DEV2 will implement the processes for the specifications activities as defined in the Trans European Systems Reference Manual [[RD6].

2.1 Assumptions and Constraints

CUST-DEV2 will apply and control only that part of the process that falls under the responsibility of CUST-DEV2 as defined in the FC. The TEMPO TES Reference Manual is the part that falls under the responsibility of the Development Contractor.

2.2 The key processes

- Feasibility Study;
- Business & System Process Model;
- System/Application Requirements;
- System/Application Functional Specifications;
- System/Application Design Specifications;
- Scope Documents;
- Deployment Plan for system or application;
- Evolutive Maintenance of specifications.

2.3 Deliverables

An indicative list of deliverables is documented in section 4. Each QTM will explicitly specify the deliverables and can deviate from the list in section 4.

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APPLICATION BUILD AND TESTING	

3 APPLICATION BUILD AND TESTING

3.1 Application Development

CUST-DEV2 will implement the Application development process as it is defined in the TEMPO Application Development Reference Manual [[RD5].

3.2 Assumptions and Constraints

CUST-DEV2 will apply and control only that part of the process that falls under the responsibility of CUST-DEV2 as defined in the FC. In the TEMPO Application Development Manual it is the part that falls under the responsibility of the Development Contractor. In the role matrix of the Application Development Reference Guide, section 3.1, the Development contractor is named xDEV; in this case CUST-DEV2.

3.3 The 4 key processes

- Application Specifications;
- Application Build;
- Application Test;
- Application Deployment.

The process and the procedure of these 4 key processes are detailed in the TEMPO Application Development Reference Manual [[RD5].

3.4 Deliverables

An indicative list of deliverables is documented in section 5. Each QTM will explicitly specify the deliverables and can deviate of the list in section 5.

3.5 Testing

CUST-DEV2 will use the test process as it is defined in the TEMPO Testing Reference Manual [[RD4].

3.6 Assumptions and Constraints

CUST-DEV2 will apply and control only that part of the process that falls under the responsibility of CUS-DEV2 as defined in the FC. In the TEMPO Testing Reference Manual this is the part that falls under the responsibility of the Development Contractor.

3.7 Test Phases under complete responsibility of CUST-DEV2

The following test phases are under complete ownership of CUST-DEV2:

- Unit testing;
- Integration Testing;
- FAT.

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The process and the procedure of these phases are detailed in the TEMPO Testing Reference Manual [[RD4].

3.8 Test Phases where other contractors and/or DG TAXUD are involved

- preSAT;
- SAT;
- Qualification testing;
- Conformance Testing.

3.9 Testing Documents

An indicative list of deliverables is documented in section 4. Each QTM will explicitly specify the deliverables and can deviate of the list in section 4.

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APPLICATION MANAGEMENT	
LIST OF DELIVERABLES FOR SPECIFICATIONS	

4 LIST OF DELIVERABLES FOR SPECIFICATIONS

Hereunder are the deliverables listed in scope of specification activities.

WP	Deliverable
WP.6.1.1	DLV-6.1-1: Feasibility Study (FS)
WP.6.2	DLV-6.2-1: Business & System Process Model
WP.6.3	DLV-6.3-1: System/Application Requirements
WP.6.4	DLV-6.4-1: System/Application Functional Specifications
WP.6.5	DLV-6.5-1: System/Application Design Specifications
WP.6.6.1	DLV-6.6.1-1: Scope Document
WP.6.6.2	DLV-6.6.2-1: Deployment Plan for a system or application
WP.6.8	DLV-6.8-z-2: Evolutive maintenance of specifications
WP.6.9.1	DLV-6.9-z-2: Reporting on the corrective maintenance of the specifications which have been taken over
WP.6.9.2	DLV-6.9.2-z-2: Reporting on the corrective maintenance of the new specifications

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LIST OF DELIVERABLES FOR TESTING AND BUILD	

5 LIST OF DELIVERABLES FOR TESTING AND BUILD

Hereunder are the deliverables listed in scope for build and testing.

WP	Deliverable
WP.7.1	DLV-7.1-1: Documentation of Programs and Software components DLV-7.1-2: Programs and Software Components (subject to FAT and SAT)
WP.7.2	DLV-7.2-1: User Manual and on-line help text facilities DLV-7.2-2: Installation Manual DLV-7.2-3: Administration Manual
WP.7.3.1	DLV-7.3.1-1: Master Test Plan (MTP)
WP.7.3.2	DLV-7.3.2-1: Test Design Specifications (TDS) for FAT, PSAT and SAT
WP.7.3.3	DLV-7.3.3-1: Test Design Specifications (TDS) for Conformance Testing (CT)
WP.7.3.4	DLV-7.3.4-1: Acceptance Test Plan (ATP) for PSAT
WP.7.3.5	DLV-7.3.5-1: Acceptance Test Plan (ATP) for SAT
WP.7.3.6	DLV-7.3.6-1: Acceptance Test Plan (ATP) for Qualification Testing (QT)
WP.7.3.7	DLV-7.3.7-1: Acceptance Test Plan (ATP) for Conformance Testing (CT)
WP.7.3.8	DLV-7.3.8-1: Scenarios for the Performance and Stress Testing
WP.7.4.1	DLV-7.4.1-2: Unit Testing Records
WP.7.4.2	DLV-7.4.2-2: Integration Testing Records
WP.7.4.3	DLV-7.4.3-1: Acceptance Test Plan DLV-7.4.3-3: FAT Report
WP.7.4.4	DLV-7.4.4-2: Delivery Qualification Report
WP.7.4.5	DLV-7.4.5-2: Performance and Stress Test Report