

# **TLN WRO Certification type Document**

< Certification procedure for the AO STB  
interactive Data Return path subsystem to enable  
usage of the TLN AIDTV >



## Document Housekeeping

### Document Category and type

CAT	TYPE	DOC ID	Comment
I(DTV)	CERT	TLN-WRO-TA-I-C-PIAE	Certification type documents (-CERT) describe the certification process and methodology (so not the interfaces or protocols, those are found in the specification type documents)

### Document Authorization

EDITION	DATE	APPRAISAL AUTHORITY	STATUS	ORIGINATOR
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### Document Maturity State

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### Document Effective Date

This document has come into effect as of xx/xx/2012 and remains valid until a valid subsequent Telenet Wholesale Reference offer, substituting this document is published.

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## Table of Contents

1	Abstract .....	4
2	Test Specifications for the certification procedure for the AO STB interactive Data Return path subsystem to enable usage of the TLN AIDTV .....	5
2.1	INTRODUCTION .....	5
2.2	TEST LIST .....	5
2.3	TEST SCORE CARD.....	6

## Table of Figures

None

## List of Appendixes

This document may refer to further detailed documents that are added in Appendixes to this document.

A reference to an appendix is in this document highlighted with grey background.

The list with appendixes of this document:

A. Appendix A, < APP-I-C-PIAE-A > contains :

1) Appendix A1 - <Test List>

## List of References

This document may refer to external documents or information sources.

A reference to an external document or information source is in this document highlighted with grey background.

The list of referred external documents or information sources in this document:

Reference 1: TLN WRO CAT: i(DTV): TLN-WRO-TA-I-S-PIAE

Reference 2: TLN WRO CAT: General: TLN-WRO-TA-G-C-PDAA

## Restricted information

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# 1 Abstract

Certification type documents have as purpose to describe the roles and responsibilities in the certification process of Telenet and the AO, the test procedures and the interaction between TLN and AO throughout the product lifecycle of AO Customer Premises Equipment (CPE) with as main goal to ensure at any moment in time correct interoperability between the AO CPE and TLN infrastructure according to the relevant specifications. The same types of certification documents and procedures are also applicable for TLN network to AO network level of interconnections.

Generic sections specifying certification procedures applicable to all AO CPE or network equipment that will be connected to the TLN network are described in General Certification Procedures Document [TLN-WRO-TA-G-C-PDAA](#).

Section 2 defines the specific test set applicable to the AO CPE or network equipment which is the subject of this specific document.

The feasibility of the technical designs and methods described in this document are subject to verification by a Proof of Concept (POC) test organized by Telenet and may be changed or updated depending on the outcome of this POC.

## **2 Test Specifications for the certification procedure for the AO STB interactive Data Return path subsystem to enable usage of the TLN AIDTV**

### **2.1 Introduction**

- (1) The tests will cover all of the requirements specified by TLN in the specification document with identification **TLN\_WRO\_TA\_I\_C\_PIAE**.

### **2.2 Test list**

- (2) The test list for this AO equipment is included in **Appendix A1** to this document

## 2.3 Test score card

CONFORMANCE TEST SCORE CARD					
Conformance Test Score Card Number	TLN-WRO-TA-TSC-%-P%%%				
Test Identification					
Test Execution Date					
Test Run Type	Full / Reduced <sub>(without OOS cases)</sub>				
Device / Equipment / Interface Name					
Device / Equipment / Interface Type / Class					
AO Device / Equipment / Interface Identification					
Software Version					
Tested by					
Overall Result Status	Pass / Fail				
Applicability	Select 1 or more : ROTV / ROBB / AIDTV				
CONFORMANCE TEST ITEM LIST					
Test Cases Summary	FORMAT	IN SCOPE	MAN	PASS/FAIL	REM
			"Y/N"	"P/F"	(*xy)
<b>4. AO STB Interactive Data Return Path Functional Requirements</b>	<b>HO</b>				
4.1. iDTV Interactive Data Return Path General Characteristics			Y		
4.2. Physical Transport Connection		(OOS-7)	Y		
4.3 Restrictions			Y		
4.4 AO Device Management by TLN Requirements	<b>NA</b>		y		
<b>5. AO STB General Non-Functional Requirements</b>	<b>NA</b>		y		
<b>Remarks</b>					
(*xy) : "Remark explanation comes here"					

## Appendix A1

Test list for the certification procedure for the AO STB interactive Data Return path subsystem to enable usage of the TLN AIDTV, reference code: **TLN-WRO-TA-I-C-PIAE**.

Test reference or description	OK/KO /NA	Comment
<b>4 AO STB Interactive Data Return Path Functional Requirements</b>		
iDTV interactive Data Return Path General Characteristic		
<i>iDTV Interactive Data Return Path via Cable Network</i>		
4.0.0.1 Check if GRE IP Tunnel for STB is up when it is checked from GTC		
4.0.0.2 Check if Cable Modem forwards the STB IP Return Path traffic to the correct tunnel.		
<i>iDTV Interactive Data Return Path via Non-Cable Network</i>		
4.0.1.1 Check if AO forwards required Return Path Traffic to the correct interconnection links at the RPOI.		
Physical Transport Connection		
<i>iDTV Interactive Data Return Path via Cable Network</i>		
4.1.0.1 Check if Link Status is UP for the Modem port to which STB is connected		
<i>iDTV Interactive Data Return Path via Non-Cable Network</i>		
Restrictions	NA	
4.2.0.1 Check if IP Return Path is not used for Interactivity Services (i.e. Video Web Services) from AO STB		
AO Device Management by TLN Requirements	NA	
<b>5 AO STB Interactive Data Return Path - Non Functional Requirements</b>	NA	