

# **TLN WRO Certification type Document**

< TLN WO certification procedures >



## Document Housekeeping

### Document Category and type

CAT	TYPE	DOC ID	Comment
TV	CERT	TLN-WRO-TA-A-C-PAAA	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 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 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-A-C-PAAA-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: TV: TLN\_WRO-TA-A-S-PAAA

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

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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 AO Equipment Wall Outlet Test Specification

### 2.1 Introduction

- (1) The Wall outlet is a termination point for AO CPE's inbound coax cables. In some situations; such as NIU's non-existence; WO will be a demarcation point for AO and TLN interconnectivity on house-hold.
- (2) Wall Outlet tests will cover all of the Functional Requirements specified by TLN in the Wall Outlet Specification Document on Public Draft, shown as a reference TLN\_WRO\_TA\_A\_S\_PAAA.

### 2.2 Test list

- (3) 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 (without OOS cases)				
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. Wall Outlet Functional Requirements</b>	HO				
4.1. RF Requirements			Y		
4.2. AO Device Management by Telenet Requirements	NA				
<b>5. Wall Outlet Non Functional Requirements</b>	HO				
5.1. Mechanical Requirements			Y		
5.2. Environmental Requirements			Y		
5.3. Safety Requirements			Y		
5.4. EU Consumer Goods Label Requirements			Y		
<b>Remarks</b>					
(*xy) : "Remark explanation comes here"					

# Appendix A1

Test list for AO equipment Wall Outlet, reference code: TLN-WRO-TA-A-C-PAAA.

Test reference or description	OK/KO/NA	Comment
<b>4 Wall Outlet Functional Requirements</b>		
4.1 RF Requirements		
4.1.1 Insertion Loss		
4.1.1.1 TV 5-75 MHz		
4.1.1.2 TV 116-125 MHz		
4.1.1.3 TV 125-862 MHz		
4.1.1.4 FM 88-108 MHz		
4.1.2 Return Loss		
4.1.2.1 IN 5-862 MHz		
4.1.2.2 TV 5-862 MHz		
4.1.2.3 FM 88-108 MHz		
4.1.3 TV to FM Signal Isolation		
4.1.4 Group Delay		
4.1.5 EMC Screening		
4.2 AO Device Management by TLN Requirements		
<b>5 Wall Outlet Non-Functional Requirements</b>		
5.1 Mechanical Requirements		
5.1.1 Housing		
5.1.2 Diagnostic Leds		
5.1.3 Labels		
5.1.4 TV and FM Radio Connectors		
5.1.4.1 TV Port Connector		
5.1.4.2 FM Port Connector		
5.2 Environmental Requirements		
5.3 Safety Requirements		
5.3.1 Surge and Lightning Protection		
5.3.2 Temperature and Humidity		
5.3.3 Fire Resistance		
5.4 EU Consumer Goods Label Requirements		