TLN WRO Architecture type Document

< List of common glossary and graphical symbols used in the technical annexes of the TLN WRO >

Document Housekeeping

Document Category and type

CAT	TYPE	DOC ID	Comment
General	ARCH	TLN-WRO-TA-G-A-PAAA	Architecture type documents (ARCH) mainly have an informational/explanatory purpose to highlight the overall technical set-up.

Document Authorization

EDITION	DATE	APPRAISAL AUTHORITY	STATUS	ORIGINATOR
0.5	01.02.2012	Director TLN Wholesale	Draft	TLN WRO Engineering

Document Maturity State

EDITION	DATE	APPRAISAL AUTHORITY	STATUS	ORIGINATOR
0.1	30.11.2011	Director TLN Wholesale	Concept(CO)	TLN WRO Engineering
0.5	01.02.2012	Director TLN Wholesale	Draft(DR)	TLN WRO Engineering
0.9	xx.xx.2012	Director TLN Wholesale	Final Submit(FS)	TLN WRO Engineering
1.0	xx.xx.2012	Director TLN Wholesale	Approval(AP)	TLN WRO Engineering

Document Effective Date

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1 Abstract

This document provides a definition of abbreviations that are very broadly used in multiple technical documents that form the TLN WRO. As such the abbreviations, included in this document are not repeated in the individual documents anymore.
In addition, in complement to writing out the abbreviation letter words in full, also a very short definition is given what the term actually means for the benefit of the reader.

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 Glossary and Abbreviations

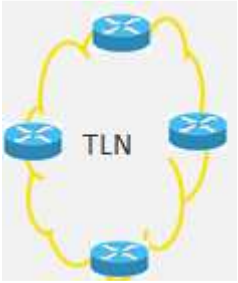
AIDTV: Annex Interactive Services
AO: (Alternative Operator) other operator
API: Application Programming Interface
BB: Broadband
BSS: Billing Support Systems
BW: Bandwidth
CAS: Conditional Access System
CDR: Call Detail Record
CM: Cable modem
CMS: Content Management System
CMTS: Cable Modem Termination System
CPE: Customer Precise Equipment
CRM: Customer Relationship Management
DB: Database
DHCP: Dynamic Host Configuration Protocol
DOCSIS: Data over Cable Service Interface Specification
DS: Downstream
DSL: Digital Subscriber Line
DTV: Digital Television
DVB-C: Digital Video Broadcasting- Cable
E2E: End to End
EPG: Electronic Program Guide
GRE: Generic Routing Encapsulation
GTC: GRE Tunnel Concentrator
HD: High Definition
HDTV: High Definition TV
HFC: Hybrid Fiber Coax
HGW: Home Gateway
HW: Hardware
IP: Internet Protocol
IPSEC: Internet Protocol Security
IP-VPN: Internet Protocol – Virtual Private Network
iDTV: interactive Digital Television
L2GRE: Layer 2 GRE Tunnel
LAN: Local Access Network
LED: Light Emitting Diode
M2M: Machine-to-Machine
MAC: Media Access Control
MHP: Multimedia Home Platform
MIB: Management Information Base
MPEG-2: Moving Picture Experts Group
MPTS: Multi-program Transport Stream (mpeg2)
MUX: Multiplex
NCP: Network Control Platform
NE: Network Element
NIU: Network Interface Unit
NOC-H: Network Operations Center-Hoboken
NOC-M: Network Operations Center-Mechelen
OAM: Operations and Maintenance
OSS: Operation Support Systems
POI: Point of Interconnect
QAM: Quadruple Amplitude Modulation
QOS: Quality over service.
RF: Radio Frequency
RIZ: Regional Interconnect Zones
ROBB: Reference Offer Broadband Services
ROTV: Reference Offer Basic TV

RPOI: Regional point of interconnection
SC: Smartcard
SD: Standard definition
SDTV: Standard Definition Television
SNMP: Single Network Management Protocol
SO: Switching Offices
STB: Set top box
TFTP: Trivial File Transfer Protocol
TLN: (Wholesale operator) Telenet
TV: Television
US: Upstream
VHE: Video Head end
VOD: Video on Demand
VPN: Virtual Private Network
WAN: Wide Area Network
WO: Wall Outlet
WRO: Wholesale Reference Offer

3 Graphical symbols

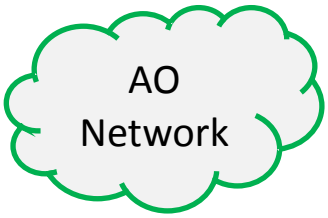
Digital TV

(1) This symbol represents a Digital television set connected to a STB.



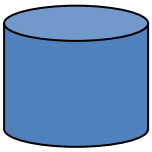
TLN IP Network

(2) This symbol represents the TLN IP Network which is a converged backbone using the IP protocol to provide communication between devices.



AO Network

(3) This symbol represents the AO network which is a backbone that can use any transport protocol including IP to provide communication to its own customers.



Database

(4) This symbol represents a database which is an organized collection of data for one or more purposes, usually in digital form.

Cable Modem

(5) This symbol represents a cable modem which is a device that that provides bi-directional data communication between the customer home network (LAN side) and the Internet (WAN side) via radio frequency channels on a HFC infrastructure.

(6) This symbol represents a CMTS (cable modem termination system) which is a piece of equipment typically located in a cable company's head end or hub site, and used to provide high speed data services, such as cable Internet or voice over Internet Protocol, to cable subscribers.

CMTS

(7) This symbol represents a set-top box (STB) or set-top unit (STU) which is an information appliance device that generally contains a tuner and connects to a television set and an external source of signal, turning the signal into content which is then displayed on the television screen or other display device.

STB

(7) This symbol represents represents a router which is a device that forwards data packets between computer networks, creating an IP network.

Router

(8) This symbol symbol represents a GRE Tunnel Concentrator (GTC) which terminates AO customer traffic which is tunneled via GRE encapsulation through the TLN access network.

GTC