

Acronym Explainer

EVEN NEW ENTRANTS TO THIS INDUSTRY WILL BE AWARE WE ARE AWASH WITH ACRONYMS AND AT BROADBAND JOURNAL WE AIM TO SIMPLIFY THE COMPLICATED, DECIPHER THE INDECIPHERABLE, ACCESS THE INACCESSIBLE.

Below is a list of relevant acronyms that we'll add to in each issue, so that you are not left turning the pages in TLA (Three Letter Acronym) hell. If there are any you think are missing from this list that should be included, please let us know at office@theSCTE.eu. Thank you!

ΔQ	Quality Attenuation
10G	10 Giga bits per second and a term used in cable internet providers
3G	3rd generation mobile signals
4G	4th generation mobile signals
4K	see UHD
5G	5th generation mobile signals
8K	see UHD
ACL	Access Control List
AI	Artificial intelligence
API	application programming interface
AR	Augmented Reality
AVOD	Advertising VOD
BBC	British Broadcasting Corporation
Bit	one binary digit
BPA	British Pipeline Agency
Byte	eight binary bits
CAGR	Compound annual growth rate
CAPEX	capital expenditure
CATV	Cable Television
cd	compact disk
CDN	content delivery network
CERN	European Organization for Nuclear Research
Chatbot	app to mimic human conversation

ChatGPT	Chat Generative Pre-trained Transformer (Chatbot)
CMTS	Cable Modem Termination System
CNSM	Conference on Network and Service Management
CPE	Customer Premise Equipment
CPM	cost per mille
CRM	Customer Relationship Management
CVE	common vulnerabilities and exposures
DAA	Distributed Access Architecture
DBIR	Data Breach Investigations Report
DDoS	Distributed Denial-of-Service
DNS	Domain Name System
DOCSIS	Data Over Cable Service Interface Specification
DPM	Data Management Platform
DPoE	ethernet passive optical networking
DSL	Digital subscriber line
E.ON	electricity and gas pipe lines supplier
EPON	Ethernet passive optical network
FAST	Free ad-supported television
FCC	Federal Communications Commission
FDX	full-duplex

FFT	Fast Fourier Transform
FTTC	Fibre to the Cabinet
FTTH	Fibre to the Home
FTTx	Fibre to the somewhere
FWA	Fixed Wireless Access
GAP	Generic Access Platform
GB	giga byte (109 byte)
Gb	Giga bits
Gbps	Giga bit per second
GDPR	General Data Protection Regulation
GIS	geographic information system
GPON	gigabit-capable passive optical network
GWh	Gigawatt Hours
HD	high definition pictures from 1280 by 720 to 1920 by 1080 pixel
HHP	households passed
HLD	high level design
hsp	High speed PON
IDS	Intrusion Detection Systems
IF	Intermediate Frequency
INEOS	gas by pipe line supplier
IoT	Internet of Things
IP	Internet Protocol
IRS	Integrated Receiving System
isp	internet service providers



IT	information technology
ITU	International Telecommunication Union
Kbps	kilo bits per second
KWh	Kilowatt Hours
LAN	Local Area Network
LESS	Low Energy Sustainable Streaming
LLD	Low Level Design
LLM	Large Language Model
LSBUD	LINESEARCHBEFOREUDIG
MAC	medium access control address
MATV	Master antenna television
MB	Mega Bytes
Mbps	Mega bits per second
MLO	Multi-Link Operation
MWh	Megawatt Hours
OFDM	Orthogonal Frequency Division Multi-plexing
OLT	optical line terminal (port)
opex	Operational expenditure
oss/bss	operations support system and business support system
OTT	Over The Top
OWASP	Open Web Application Security Project
PHY	the physical layer
pixel	a single element of a picture

POE	Power Over Ethernet
PON	Passive Optical Network
PSG	Performance Signal Generators
QED	Quality Experience Delivered
QoE	Quality of Experience
RF	Radio Frequency
rOLT	Remote Optical Line Terminal
ROM	read only memory
RPD	Remote PHY Device
R-PHY	Remote PHY
RX	Receiver
SD	Standard definition picture up to 640 by 600 pixel
SLA	Service Level Agreements
SMATV	Satellite Master Antenna Television
SMPTE	Society of Motion Picture and Television Engineers
SNMP	Simple Network Management Protocol
SOC	Security Operating Centre
SPDT	Single-Pole Double-Throw
SSAI	Server-side Ad Insertion
STP	Spanning Tree Protocol
SVOD	Subscription VOD
Tbs	Tera bits per second
TCO	Total Cost of Ownership
TX	Transmitter

UHD	Ultra high definition 4K- 3840 by 2160 pixels 8K- 7680 by 4320 pixel
URL	Uniform Resource Locators
USENET	user's network
VLAN	Virtual Local Area Network
VOD	Video on demand
VR	Virtual Reality
WAAP	Web Application and API Proection
WICT	women in cable telecommunications
Wi-Fi	family of wireless network protocols
XGS-PON	known as 10G-PON
xPON	Any version of PON technology