

Glossary

Index: [A](#) - [B](#) - [C](#) - [D](#) - [E](#) - [F](#) - [G](#) - [H](#) - [I](#) - [J](#) - [K](#) - [L](#) - [M](#) - [N](#) - [O](#) - [P](#) - [Q](#) - [R](#) - [S](#) - [T](#) - [U](#) - [V](#) - [W](#) - [X](#) - [Y](#) - [Z](#)

3DES Three-pass Data Encryption Standard (168-bit key encryption)
3G Third generation of mobile communications technology
3GPP 3G Partnership Project

A

[\[Index\]](#)

AA Attribute Authority
AA Authentication and Authorisation
AAA Authentication, Authorisation and Accounting
AAI Authentication and Authorisation Infrastructure
AARC Authentication and Authorisation for Research and Collaboration
AAu Attribute Authority
AB Available Bandwidth
ABFAB Application Bridging for Federated Access Beyond Web
ABW Available BandWidth
AC3 AfricaConnect3
AC Access Control
ACD Access Control Device
ACD Access Control Domain
ACIA Alliance Common Information Architecture
ACK ACKnowledgement
ACL Access Control List
ACM AfricaConnect3 Consultation Meeting
AEGIS AARC Engagement Group for Infrastructures
AENEAS Advanced European Network of E-infrastructures for Astronomy with the SKA
AER AsiaPacific-Europe Ring
AES Advanced Encryption Standard
AfriGEO African Group on Earth Observation
AGE-OX Arabian Global Education Open Exchange
AGM Annual General Meeting
AIRT Application for Incident Response Teams
AL Activity Leader
ALG Application Layer Gateway
AMI Alternate Mark Inversion
AMPS Advanced Multi-Domain Provisioning System
AMS Amsterdam, Netherlands
ANA Advanced North Atlantic
ANS Advanced Network Services
AOPB Annual Operational Performance Budget
AP Access Point

APC	Angled Physical Contact
AP	Alternate Phase
APAN	Asia Pacific Advanced Network
API	Application Programming Interface
APM	Access Port Manager
APR	Asia Pacific Ring
APRICOT	Asia Pacific Regional Internet Conference on Operational Technologies
AR	Attribute Requester
ARAC	Audit & Risk Advisory Committee
ARP	Address Resolution Protocol
ARP	Attribute Release Policy
AS	Authentication and Authorisation Service
AS	Authentication Server
AS	Autonomous System
ASBR	Autonomous System Border Routers
ASE	Amplified Spontaneous Emission
ASID	Autonomous System Identifier
ASK	Amplitude Shift Keying or Amplitude Shift Keyed
ASM	Any-Source Multicast
ASN	Autonomous System Number
ASON	Automatically Switched Optical Network
ASONS	Automatically Switched Optical Network Simulator
ASP	Authorisation Service Provider
ASPATH	Autonomous System Path
ASREN	Arab States Research and Education Network
ASTN	Automatic Switched Transport Network
ATI	Africa Training Initiative
ATM	Asynchronous Transfer Mode
AUB	American University of Beirut
AUC	African Union Commission
AUP	Acceptable Use Policy
AuthN	Authentication
authN	Number of authentications
AuthZ	Authorisation
AuthZS	Authorisation Service
AutoBAHN	Automated Bandwidth Allocation across Heterogeneous Networks
AV	Audiovisual
AV-Pairs	Attribute-Value pairs
AW	Alien Wavelength
AWG	Arrayed Waveguide Grating
AWS	Amazon Web Services

B
[\[Index\]](#)

b/s	bits per second
B4N	SDN controller by Brain4Net
BB	Bandwidth Broker
BCP	Best Common Practice
BDP	Bandwidth Delay Product
BE	Best Effort
BE	Bridging Element (includes LFA and LA)

BELLA	Building the Europe Link with Latin America
BER	Bit Error Rate or Bit Error Ratio
BERT	Bit Error Rate Tester
BFG	Bidirectional Forwarding Detection
BFH	Bern University of Applied Sciences
BGP	Border Gateway Protocol
BGP-LS	Border Gateway Protocol Link State
BMS	Bare Metal Server
BMS	Bio-Medical Sciences
BoD	Bandwidth on Demand
BOF	Birds-of-a-Feather
botnetC&C	botnet Command and Control server
BPM	Business Process Management
BRA	Bratislava, Slovakia
BSD	Berkeley Software Distribution
BSI	Black Sea Interconnection
BSR	Bootstrap Router
BSS	Business Support Systems
BUCC	Backup Control Centre
BVI	Bridge Virtual Interface
BW	Bandwidth
BW	Black and White interface
BWCTL	Bandwidth Controller
BWCTL MP	Bandwidth Controller Measurement Point

C

[\[Index\]](#)

CA	Candidate
CA	Certificate Authority
CaaS	Communication as a Service
CAMS	Central Authentication Management System
CANARIE	Canadian Network for the Advancement of Research, Industry and Education
CAPEX	Capital expenditure
CAREN	Central Asia Research and Education Network
CARNET	Croatian Academic and Research Network
CASG	Controlled Address Space for Gateways
CAT	Configuration Assistant Tool (eduroam)
CBF	Cross-Border Fibre
CCC	Circuit Cross-Connect
CCK	Complementary Code Keying
CCNP	Cisco Certified Network Professional
ccTLD	country-code Top Level Domain
CCTV	Closed Circuit Television
CD	Chromatic Dispersion
CD	Ciena Core Director
CDAM/CA	Collision Detection Multiple Access/Collision Avoidance
CDMA	Code Division Multiple Access
CDP	Cisco Discovery Protocol
CE(s)T	Central European (summer) Time
CEF	Connecting Europe Facility
CEF	Customer Empowered Fibre

CESSDA	Consortium of European Social Science Data Archives
CEO	Chief Executive Officer
CERN	European Organisation for Nuclear Research
CERT	Computer Emergency Response Team
CFI	Canonical Format Indicator
CFM	Connectivity Fault Management
CFP	C Form-factor Pluggable
CGE	Carrier Grade Ethernet
CGI	Common Gateway Interface
CHAP	Challenge Handshake Authentication Protocol
CKLN	Caribbean Knowledge and Learning Network
CL	Command Line
CLARIN	Common Language Resources and Technology Infrastructure
CLAW	The Crisis Management Workshop for the GÉANT Community (formerly Crisis Leadership in Action Workshop)
CLI	Command Line Interface
CLK	Clock Recovery Circuit
CLNS	Connectionless Network Service
cMA	cNIS Management Application
CMG	Contract Management Group
CMISE	Common Management Information Service Element
CMPA	Contract Management Policy Authority
CMS	Content Management System
CNaaS	Campus Network as a Service
cNDA	cNIS Network Discovery Application
cNIS	Common Network Information Service
CNM	Customer Network Management
CO	Confidential
CoCo	GÉANT data protection Code of Conduct
CODATA	Committee on Data for Science and Technology
COM	Component Object Model
CORBA	Common Object Remote Broker Architecture
COTS	Commercial Off-The-Shelf
CPAN	Comprehensive Perl Archive Network
CPE	Customer Premises Equipment
cPF	cNIS Pathfinder
CPM	Control Processor Module
CPO	Chief Product Officer
CPU	Central Processing Unit
CRC	Cyclic Redundancy Check
CRL	Certificate Revocation List
CRM	Customer Relationship Management
CRNC	CAREN Regional Networking Conference
CRZ	Chirped Return to Zero
CS3	Cloud Storage Services for Synchronization and Sharing
CSC	Cost-Sharing Committee
CSF	Communications Sub-system Failure
CSF	Critical Success Factor
CSI	Continual Service Improvement
CSIR	Continual Service Improvement Register

CSIRT	Computer Security Incident Response Team
CSP	Cloud Service Provider
CSRZ	Carrier Suppresses Return to Zero
CSS	Cascading Style Sheets
CSWG	Cost Sharing Working Group
CT	Certificate Transparency
CTA	Cherenkov Telescope Array
CTO	Chief Technical Officer
cTS	cNIS Topology Service
CUI	Chargeable User Identity
CVS	Concurrent Versions System
CW	Continuous Wave

D[\[Index\]](#)

DaaS	Desktop as a Service
DANTE	Delivery of Advanced Network Technology to Europe
DARIAH	Digital Research Infrastructures for the Arts and Humanities
DB	Database
dB	Decibel
DBMS	Database Management System
DCC	Data Communication Channel
DCF	Dispersion Compensating Fibre
DCI	Data Centre Interconnect
DCM	Dispersion Compensation Module
DCN	Data Communication Network
DCN	Dynamic Circuit Network
DCOM	Distributed Component Object Model
DCR	DCC Router
DCR	Dispersion Compensation Ratio
DCU	Dublin City University
DDoS	Distributed Denial of Service
DEISA	Distributed European Infrastructure for Supercomputing Applications
DEM	Demonstrator
DEN-ng	Directory Enabled Networks Next Generation
DES	Data Encryption Standard
DevOps	software Development information technology Operations
DFS	Dark Fibre
DFS	Depth-First Search
DG	Directorate-General (EC)
DG	Directed Graph
DG CNECT	Directorate-General for Communications Networks, Content and Technology
DG DEVCO	Directorate-General for International Cooperation and Development
DG GROW	Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs
DG NEAR	Directorate-General for Neighbourhood and Enlargement Negotiations
DG RTD	Directorate-General for Research and Innovation
DHCP	Dynamic Host Configuration Protocol
DI	Data Inventory
DI	Delay Interferometer
DI4R	Digital Infrastructures for Research
DI4R18	2018 Digital Infrastructures for Research

Diameter	Protocol for providing an Authentication, Authorisation and Accounting (AAA) framework for applications such as network access or IP mobility
Diffserv	Differentiated services
DiMAPI	Distributed Monitoring Application Programming Interface
dLS	Distributed Lookup Service
DM	Data Mapping
DM	Domain Manager
Dm2ldm	Domain Manager to Inter-Domain Manager
DMA	Direct Memory Access
DMaAP	Data Movement as a Platform
DMS	DDoS Det&Mit (Detection & Mitigation) Solution
DNA	Digital Network Administrator
DNS	Domain Name Service
DNSRoam	Domain Name System Roaming
DNS-SD	Domain Name Server-Service Discovery
DNSsec	An extension to the Domain Name Service (DNS) that offers enhanced security features for the exchange of DNS records
DOAJ	Directory of Open Access Journals
DOE	Department of Energy (US)
DOI	Digital Object Identifier
DOM	Document Object Model
DoS	Denial of Service
DoW	Description of Work
DPC	Dense Port Concentrator
DPO	Data Protection Officer
DPP	Data Plane Programmability
DPR	Data Plane Routing
DPR	Data Protection Regulation
DPS	Dynamic Purchasing System
DPSK	Differential Phase Shift Keying or Differential Phase Shift Keyed
DQPSK	Differential Quadrature Phase Shift Keying or Keyed
DRAC	Dell Remote Access Controller
DRAC	Dynamic Resource Allocation Controller
DS	Discovery Service
DSCP	Differentiated Services Code Point
DSL	Digital Subscriber Line
DSL	Domain Specific Languages
DSP	Digital Signal Processing
DSSS	Direct Sequence Spread Spectrum
dst	Destination
DstAS	Destination AS numbers
DSW	Data Systems Worldwide
DTD	Document Type Definition
DTN	Data Transfer Node
DTN	Data Transmission Network
DTN	Digital Transport Network
DV	Delay Variation
DVB	Digital Video Broadcasting
DWDM	Dense Wavelength Division Multiplexing
DWS	DANTE World Service

E[\[Index\]](#)

E2E	End-to-End
E2ECU	End-to-End Coordination Unit
E2EMon	End-to-End Monitoring System
EAC	eduGAIN Access Check
e-AGE	International Platform on Integrating Arab e-Infrastructure in a Global Environment conference
EAI	Enterprise Application Integration
EAM	Electro-Absorption Modulator
EaP	Eastern Partnership
EAP	Extensible Authentication Protocol
EaPEC	Eastern Partnership E-infrastructure Conference
EAP-EKE	EAP-Encrypted Key Exchange
EAP-FAST	Extensible Authentication Protocol-Flexible Authentication via Secure Tunnelling
EAP-GTC	Extensible Authentication Protocol with Generic Token Card payload
EAP-MD5	Extensible Authentication Protocol with Message Digest Nr. 5 payload
EAPoL	Extensible Authentication Protocol over Local Area Network
EAP-OTP	Extensible Authentication Protocol with One-Time Password payload
EAP-PWD	EAP-Password
EAP-SIM	Extensible Authentication Protocol with Subscriber Identification Module payload
EAP-TLS	Extensible Authentication Protocol Transport Layer Security
EAP-TTLS	Extensible Authentication Protocol Tunnelled Transport Layer Security
EARC	eduGAIN Attribute Release Check
eBGP	external Border Gateway Protocol
EC	European Commission, the executive body of the EU
ECCS	eduGAIN Connectivity Check Service
ECE	Economic Commission for Europe
ECL	External Cavity Laser
ECMP	Equal-Cost Multi-Path
ECMWF	European Centre for Medium-Range Weather Forecasting
ECN	Eastern Computer Network
EDFA	Erbium-Doped Fiber Amplifier
EDGE	Enhanced Data Rates for Global (or GSM) Evolution
EDI	European Data Infrastructure
eduCONF	A set of services to provide and support videoconferencing across Europe
eduGAIN	AAI confederation interconnecting national and community-wide R&E identity federations
eduPERT	A federated PERT structure
eduPKI	A service providing Public Key Infrastructure (PKI) certificates for GÉANT services
eduroam	education roaming – International roaming service for users in R&E
eduroam-ng	eduroam-next generation
EEA	European Economic Area
EF	Expedited Forwarding
EF	Experimental Facility
EFDA	European Fusion Development Agreement
EFEC	Enhanced Forward Error Correction
EGI	European Grid Infrastructure
EHU	University of the Basque Country
eID	Electronic Identification

eIDAS	Electronic Identification and Signature
eIDAS	electronic IDentification, Authentication and trust Services
eIRG	eInfrastructure Reflection Group
e-IRG	e-Infrastructure Reflection Group
EJB	Enterprise JavaBeans Technology
ELI	Extreme Light Infrastructure
ELINE	Ethernet private line service
ELK	Elasticsearch, Logstash, Kibana
ELPF	Electric Low Pass Filter
EM	Embedded Module
EMBL	European Molecular Biology Laboratory
EML	Element Manager
EMS	Element Management Systems
eMSDP	external Multicast Source Discovery Protocol
ENNI	External Network-to-Network Interface
E-NNI	External Network-to-Network Interface
ENUM	Electronic Number Mapping
EO	Earth Observation
EoD	Expert on Duty
EOL	End of Life
EoMPLS	Ethernet over Multiprotocol Label Switching
EoOTN	Ethernet over OTN
EOSC	European Open Science Cloud
EPL	Ethernet Private Line
EPOS	European Plate Observing System
ER	Entity Relationship
ERA	European Research Area
ERIC	European Research Infrastructure Consortium
ESA	European Space Agency
ESB	Enterprise Service Bus
ESDC	European Science Data Centre
ESLM	Ethernet Services Line Module
ESnet	(US) Department of Energy, Energy Sciences Network
ESO	European Southern Observatory
ESTEC	European Space Agency Technology Centre
ETH	Eidgenössische Technische Hochschule
ETLR	Europe Top-Level RADIUS Server
eTOM	Enhanced Telecom Operations Map
ETP4HPC	European Technology Platform for High-Performance Computing
ETSI	European Telecommunications Standards Institute
EU	European Union
EUDAT	European Data Infrastructure
EULA	End User License Agreement
EUMETSAT	European Organisation for the Exploitation of Meteorological Satellites
EuroDIG	European Dialogue on Internet Governance
Eurodoc	European Council of Doctoral Candidates and Junior Researchers
e-VLBI	electronic Very Long Baseline Interferometry
EVN	European VLBI Network
EVPL	Ethernet Virtual Private Line
EVPN	Ethernet Virtual Private Network

EXEC	Executive Committee
eXist-db	XML open source database management system
EYR	Enlighten Your Research

F[\[Index\]](#)

F2F	Face to Face
FaaS	Federation as a Service
FaaS	Function as a Service
FAIR	Findable, Accessible, Interoperable and Reusable (data principles)
FAQ	Frequently Asked Questions
FBG	Fibre Bragg Grating
FCAPS	Fault, Configuration, Accounting, Performance, Security
FCC	FlowMon Configuration Centre
FCFS	First Come, First Served
FCS	Frame Check Sequence
FCT	Foundation for Science and Technology, Portugal
FDM	Frequency Division Multiplexing
FEC	Forward Error Correction
FEIDE	Federated Electronic Identity for Education
FET	Future and Emerging Technologies
FEUDAL	Federated User Credential Deployment Portal
FHSS	Frequency Hopping Spread Spectrum
FI	Future Internet
FIB	Forwarding Information Base
FIFO	First In First Out
FIM4L	Federated Identity Management for Libraries
FIM4R	Federated Identity Management for Research
FI-PPP	Future Internet Public Private Partnership
FIRE	Future Internet Research and Experimentation
FIRST	Forum of Incident Response and Security Teams
FLC	First Level Controller
FoD	Firewall on Demand
FP	Framework Programme
FP6	6th EU Framework Programme for Research and Technological Development
FPA	Framework Partnership Agreement
FPGA	Field-Programmable Gate Array
FPP	Federation Peering Point
FQDN	Fully Qualified Domain Name
FRA	Frankfurt, Germany
FRRD	Flow Round Robin Database
FRU	Firewall Rule Updater
FTE	Full Time Equivalent
FTF	Future Talent Fund
FTP	File Transfer Protocol
FTTx	Fibre To The x
FWHM	Full Width at Half Maximum

G[\[Index\]](#)

GA	General Assembly (GÉANT's highest governing body)
GAP	Grant Agreement Preparation

Gb	Gigabit
Gb/s	Gigabits per second
GbE	Gigabit Ethernet
GBIC	Gigabit Interface Converter
Gbps	Gigabits per second
GCC	GÉANT Community Committee
GCS	GÉANT Connection Service
GCP	Google Cloud Platform
GDPR	General Data Protection Regulation
GDS	Global Dialling Scheme
GE	Gigabit Ethernet
GÉANT	The pan-European research and education network interconnecting Europe's NRENS
GeGC	Global eduroam Governance Committee
GEM	GÉANT Expertise Marketplace
GEMBus	GÉANT Multi-Domain Bus
GENI	Global Environment for Network Innovations
GENUS	GÉANT Virtualisation Service
GEO	Group on Earth Observations
GEOS	Global Earth Observation System of Systems
GFP	Generic Framing Protocol
GFP-F	Framed Generic Framing Procedure or frame-based Generic Framing Procedure
GGF	Global Grid Forum
GGSN	Gateway GPRS Support Node
GHG	Greenhouse Gas
GIdP	GÉANT Identity Provider
GLAD	GÉANT Learning and Development
GLIF	Global Lambda Integrated Facility
gLS	global Lookup Service
GMES	Global Monitoring for Environment and Security
GMPLS	Generalised Multi-Protocol Label Switching
GMRE	Generic MPLS Routing Engine
GMT	Greenwich Mean Time
GN2	GÉANT2
GN3	The GN3 Project (do not expand to GÉANT3!)
GN3plus	The GN3plus Project (never GN3+)
GN4-1	The GN4 Phase 1 (GN4-1) project
GN4-2	The GN4 Phase 2 (GN4-2) project
GN4-3	(GÉANT Network 4 Phase 3), a project part-funded by the EC's Horizon 2020 programme under the Specific Grant Agreement No. 856726
GN4-3N	(GÉANT Network 4 Phase 3 Network), a project part-funded by the EC's Horizon 2020 programme under the Specific Grant Agreement No. 856728
GNA	Global Network Architecture
GNSF	Georgia National Science Foundation
GOC	GÉANT Operations Centre
GOLE	GLIF Open Lightpath Exchange
GPL	General Public Licence
GPPC	GÉANT Programme Planning Committee
GPRS	General Packet Radio Service
GPS	Global Positioning System
GR	Guaranteed Restoration

GRE	Generic Routing Encapsulation
GREN	Global Research and Education Network
GRES	Graceful Routing Engine Switchover
GRR	GÉANT Risk Register
GSC	GÉANT Software Catalogue
GSM	Global System for Mobile Communication
GSS-API	Generic Security Services Application Program Interface
GTE	Gires-Tournois Etalons
gTLD	generic Top-Level Domain
GTP	GPRS Tunnelling Protocol
GTS	GÉANT Testbeds Service
GUI	Graphical User Interface
GVM	Generic Virtualisation Model
GWS	GÉANT World Service
GXP	Global R&E Exchange Point

H[\[Index\]](#)

H2020	Horizon 2020 (EU Framework Programme for Research and Innovation)
HA	High Availability
HADES	Hades Active Delay Evaluation System
HAM	Hamburg, Germany
H-BE	Home Bridging Element or Home Bridge Element
HCD	Human Capital Development
HCLD	Human Capital – Learning and Development
HE	Higher Education
HEPiX	High Energy Physics Forum
HI	Home Institution (of a user)
HiSEEN	High-Speed ESA Earth Observation Network
HITSA	Information Technology Foundation for Education (Estonia)
hLS	home Lookup Service
HLS	Home Location Service
HMAC	Hash Message Authentication Code
HO	Home Organisation
HOVC	High Order Virtual Container
HP	Hewlett Packard
HPC	High Performance Computing
HPC-GIG	HPC Governance Intelligence Gathering
HQoS	Hierarchical Quality of Service
HR	Human Resources
HSM	Hardware Security Module
HSRCH	Hash Search
HTTP	Hypertext Transfer Protocol
HTTPS	Hypertext Transfer Protocol Secure
HW	Hardware

I[\[Index\]](#)

I/f	Interface
I/O	Input/Output
I2	Internet2
IaaS	Infrastructure as a Service

IAM	Identity and Access Management
IANA	Internet Assigned Numbers Authority
IAS	Internet Access Service
iBGP	interior Border Gateway Protocol
ICEI	Interactive Computing E-Infrastructure
ICMP	Internet Control Message Protocol
ICRI	International Conference on Research Infrastructures
ICT	International Conference on Telecommunications
ICT	Information and Communication Technology
IDC	Inter-Domain Controller
IDCP	Inter-Domain Control Protocol
IDEA	Intrusion Detection Extensible Alert
IDI	ICT Development Index
IdM	Identity Management
IDM	Inter-Domain Manager
IDN	Internationalised Domain Name
IdP	Identity Provider
IDS	Intrusion Detection System
IDW	International Data Week
ID-WSF	Identity Web Services Federation
IEEE	Institute of Electrical and Electronics Engineers
IETF	Internet Engineering Task Force
IGI	Italian Grid Initiative
IGMP	Internet Group Management Protocol
IGP	Interior Gateway Protocol
IKE	Internet Key Exchange
IL	Insertion Loss
ILA	In-Line Amplifier
IMAP	Internet Message Access Protocol
IMAPS	Internet Message Access Protocol Secured
IMS	Internet Multimedia Subsystem
IMS	Identity Management System
IN2P3	National Institute of Nuclear and Particle Physics (France)
INFN	National Institute for Nuclear Physics (Italy)
INYT	Innovation and Yearly Technical Programme
IODEF	Incident Object Description Exchange Format
IOM	Intelligent Output Module
ION	Internet2 Inter-Operability Network
iOS	i Operating System
IoT	Internet of Things
IP	Internet Protocol
IPDV	Internet Protocol Packet Delay Variation
IPLC	International Private Leased Circuit
IPMI	Intelligent Platform Management Interface
IPPM	Internet Protocol Performance Metric
IPR	Intellectual Property Rights
IPS	Intrusion Prevention System
IPsec	IP Security
IPTV	Internet Protocol Television
IR	Infrared

IRB	Integrated Routing and Bridging
IRT	Incident Response Team
IRTF	Internet Research Task Force
IRU	Indefeasible Rights of Use
IS	Intermediate System
ISA	Integrated Service Adaptor
ISCED	International Standard Classification of Education
ISF	Integrated Services Framework
I-SHARe	Information Sharing across Heterogeneous Administrative Regions
ISI	Inter-Symbol Interference
IS-IS	Intermediate System to Intermediate System
ISMS	Information Security Management System
ISN	Interface Service Network
ISO	International Organisation for Standardisation
ISO	International Organization for Standardization
ISOC	Intercity Security Operations
ISP	Internet Service Provider
ISS	In-Service Support
IST	Information Society Technologies
ISTF	Information Society Technologies Foundation
IT	Information Technology
ITC	International Institute for Geo-Information Science and Earth Observation
ITER	International Thermonuclear Experimental Reactor
ITIL	(formerly) Information Technology Infrastructure Library
ITSM	IT Service Management
ITSOP	Invitation to Submit Outline Proposal
ITT	Invitation to Tender
ITU	International Telecommunication Union
ITU-T	International Telecommunication Union, Telecommunication Standardization Sector
IUAC	International User Advisory Committee
IUCC	Inter-University Computation Center
IX	Internet Exchange
IXP	Internet Exchange Point

J[\[Index\]](#)

JAAS	Java Authentication and Authorisation Service
JAR	Java™ Archive
JD	Job Description
JINI	Java Intelligent Network Infrastructure
JIVE	Joint Institute for Very Long Baseline Interferometry in Europe
JRA	Joint Research Activity
JRC	Joint Research Centre
JRE	Java Runtime Environment
JSON	JavaScript Object Notation
JW	JSON Web Tokens (JWT)

K[\[Index\]](#)

KB	Knowledge Base
KENET	Kenya Education Network Trust
KISTI	Korea Institute of Science and Technology Information

KODE	Kosovo Digital Economy
KPI	Key Performance Indicator
L	
L0	In the OSI model, Layer 0 is transmission media
L1	In the OSI model, Layer 1 is the physical layer
L2	In the OSI model, Layer 2 is the data link layer
L2TPv3	Layer 2 Tunneling Protocol Version 3
L3	In the OSI model, Layer 3 is the network layer
L&D	Learning and Development
LA	Local Adaptor
LAG	Link AGgregation
LAN	Local Area Network
LAN PHY	LAN PHYSical layer device
LAPD	Link Access Protocol - D Channel
LAS	League of Arab States
LDAP	Lightweight Directory Access Protocol
LDP	Label Distribution Protocol
LEAP	Lightweight Extensible Authentication Protocol
LFA	Local Federation Adaptor
LFC	Local Federation Connector. See LFA.
LHC	Large Hadron Collider
LHCONE	Large Hadron Collider Open Network Environment
LHCOPN	Large Hadron Collider Optical Private Network
LIGO	Laser Interferometer Gravitational-Wave Observatory
LIPCU	LHCOPN IP Coordination Unit
LIR	Local Internet Registry
LM	Light Manager
LMS	Learning Management System
Ln	Layer n
LoA	Level of Assurance
LOD	Linked Open Data
LoLa	LOW LATency audio visual streaming system
LON	London, UK
LR	Long Reach
LS	Life Science
LS	Lookup Service
LSA	Link-State Advertisement
LSA	Luxembourg Space Agency
LSAAI	Life Sciences AAI pilot
LSI	Large Scale Integration
LSO	Lifecycle Service Orchestration
LSP	Label Switched Path
LSST	Large Synoptic Survey Telescope
LUMI	Large Unified Modern Infrastructure

[\[Index\]](#)
M
[\[Index\]](#)

M	Project Month
M	Milestone
M	Million

MA	Measurement Archive
MaaS	Management as a Service
MAC	Media Access Control
MAD	Madrid, Spain
MaDDash	Monitoring and Debugging Dashboard
MAGIC	Middleware and Grid Interagency Coordination
MAN	Metropolitan Area Network
MANO	Management and Orchestration
MANRS	Mutually Agreed Norms for Routing Security
MAPI	Monitoring Application Programming Interface
Mb/s	Megabits per second
MBGP	Multiprotocol Extensions for Border Gateway Protocol
Mbps	Megabits per second
MBS	Managed Bandwidth Services
MCAA	Marie Curie Alumni Association
MCC	Metro Core Connect
MCU	Multipoint Control Unit
MD	Multi-Domain
MD PCE	Multi-Domain Path Computation Element
MD5	Message Digest Algorithm 5
MDA	Media Dependent Adaptors
MDM	Multi-Domain Monitoring
mDNS	Multicast Domain Name Server
MDQ	Metadata Query
MDS	Metadata Service
MDS	Multi-Domain Security
MDSD	Multi-Domain Service Desk
MDVPN	Multi-Domain Virtual Private Network
MDVPN SI	Multi-Domain Virtual Private Network Service Inventory
MEF	(formerly) Metro Ethernet Forum
MEF CECP	MEF Carrier Ethernet Certification Program
MFA	Multi-Factor Authentication
MGMT	Management
MIB	Management Information Base
MidP	Managed IdP
MIL	Milan, Italy
MIPv6	Mobile IPv6
MISP	Malware Information Sharing Platform
MLS	Multilayer Switching
MM	Man (person) Month
MMS	Membership Management Service
MNM	Mobility and Network Middleware
MOMoT	Multi-Domain Optical Modelling Tool
MoU	Memorandum of Understanding
MP	Measurement Point
MPC	Modular Port Concentrator
MPIMet	Max Planck Institute for Meteorology
MPLS	Multi-Protocol Label Switching
MPLS-TP	MPLS Transport Profile
MPPE	Microsoft Point-to-Point Encryption

MQ	Message Queue
MR	Message Router
MRTG	Multi Router Traffic Grapher
MS.NET	Microsoft.NET
MS-CHAP	Microsoft Challenge/Handshake Authentication Protocol
MSDP	Multicast Source Discovery Protocol
MS-IAS	Microsoft Internet Authentication Service
MSO	Master Service Orchestrator
MSP	Management of Service Portfolios
MSR	Monthly Service Report
MSTP	Multiple Spanning Tree Protocol (Layer 2 terminology)
MSTP	Multi-Service Transport Platform (Cisco terminology)
MTP/SO	Multiple Transport Protocol/Self Organising
MTU	Maximum Transmission Unit
MTU	Multi-Tenant Unit
MVN	Maven
MVP	Minimum Viable Product
m-VPLS	Management VPLS
MX	Juniper series of Ethernet routers and switches
MZM	Mach-Zender Intensity Modulator

N[\[Index\]](#)

NA	Networking Activity
NaaS	Network as a Service
NAPTR	Naming Authority PoinTeR
NAS	Network Access Server
NAT	Network Address Translation
NAV	Network Administration Virtualised
NCC	Network Coordination Centre
NCI	National Computational Infrastructure (Australia)
NCS	Network Control System
NDA	Non-Disclosure Agreement
NDL	Network Description Language
NDSF	Non-Dispersion Shifted Fibre
NE	Network Element
NEAAR	Networks for European, American and African Research
NEEAR	Networks for European, American, and African Research
NEP	Network Engineering and Planning
NERD	Network Emergency Responder and Detector
NETCONF	Network Configuration Protocol
NEXPreS	Novel Explorations Pushing Robust e-VLBI Services
NF	Noise Figure
NFA	NetFlow Analyzer
NfSen	Netflow Sensor
NFV	Network Functions Virtualisation
NG	Next Generation
NGI	Next Generation Internet
NGOSS	New Generation Operations Software and Systems
NGOSS-TNA	NGOSS Technology-Neutral Architecture
NG-OTN	Next-Generation Optical Transport Network

NGRTN	Next Generation Routed Transport Networks
NIAC	Network Infrastructure Advisory Committee
NIC	Network Information Centre
NIC	Network Interface Card
NICT	National Institute of Information and Communications Technology (Japan)
NIF	New Ideas Form
NII	National Institute of Informatics (Japan)
NIL	Nothing In Line
NIST	National Institute for Standards and Technology
NM	Network Manager
NMA	Network Management Architecture
NMaaS	Network Management as a Service
NMC	Network Measurement and Control
NMI	National Middleware Initiative (USA)
NML	Network Markup Language
NMS	Network Management Station
NMS	Network Management System
NMS	Network Monitoring System
NMWG	Network Measurements Working Group
NNI	Network-to-Network Interface
NOAA	National Oceanic and Atmospheric Administration (USA)
NOAD	National Open Access Desk
NOC	Network Operations Centre
NOS	Network Operating System
NPA	Network Protection Architecture
NPAPW	Network Performing Arts Production Workshop
NREN	National Research and Education Network
NREN PC	NREN Policy Committee
NRO	National Roaming Operator
NRP	National Research Platform
NRPE	Nagios Remote Plug-in Executor
NRSCC	National Remote Sensing Centre of China
NRT	Near Real-Time
NRZ	Non-Return to Zero
NSA	Network Service Agent
NSAP	Network Service Access Point
NSD	Network Service Descriptor
NSF	National Science Foundation (US)
NSHaRP	Network Security Handling and Response Process
NSI	Network Service Interface
NSOAS	National Satellite Ocean Application Service
NSR	Non-Stop Routing
NTP	Network Time Protocol
NTUA	National Technical University of Athens
NWGN	New Generation Network

O[\[Index\]](#)

OA	Optical Amplifier
OA	Open Access
OAM	Operation, Administration and Maintenance

OAM&P	Operation, Administration, Maintenance and Provisioning
OAR	Open Access Repository
OASIS	Organisation for the Advancement of Structured Information Standards
OAV	Orchestration, Automation and Virtualisation
OC	Operations Centre
OC	Organising Committee
OCG	Optical Carrier Group
OCH	Optical Channel
OCRE	Open Clouds for Research Environments
OCX	Open Cloud eXchange
OCX	Optical Cross-Connect
OD	Origin-Destination
ODB	Optical Duo Binary
ODF	Optical Distribution Frame
ODU	Optical Channel Data Unit
OEO	Optical-Electrical-Optical
OF	Optical Filter
OFDM	Orthogonal Frequency Division Multiplexing
OGF	Open Grid Forum
OGF NMC-WG	OGF Network Measurement and Control Working Group
OGF NM-WG	OGF Network Measurement Working Group
OGF NSI	OGF Network Service Interface
OID	Object Identifier
OIDC	OpenID Connect
OIDCre	OpenID Connect for Research and Education Working Group
OIF	Optical Internetworking Forum
OJEU	Official Journal of the European Union
OJOU/OIDC	OAuth2/JW/OIDC/UMA / OpenID Connect
OLA	Operational Level Agreement
OLE	Optical Link Emulator
OLS	Open Line System
OLS	Optical Line System
OLS	Optical Label Switching
ONF	Open Networking Foundation
ONIE	Open Network Install Environment
ONOS	Open Network Operating System
ONSA	Open NSA
OOB	Out of Band
OOK	On-Off Keying or On-Off Keyed
OpenAIRE	Open Access Infrastructure for Research in Europe
OpenNMS	Open Network Management System
OpenSAML	Open Security Assertion Mark-up Language
OPEX	Operational expenditure
OPN	Optical Private Network
OPS	Operations
OPS	Optical Physical Section
OpsDB	Operations Database
ORCID	Open Researcher and Contributor ID
ORT	Operational Readiness Test
OS	Operating System

OSC	Optical Supervisory Channel
OSCARs	On-Demand Secure Circuits and Advance Reservation System
OSI	Open Systems Interconnection
OSM	Open Source MANO
OSNR	Optical Signal-to-Noise Ratio
OSPF	Open Shortest Path First
OSPF-TE	Open Shortest Path First-Traffic Engineering
OSS	Operations Support System
OT	Operations Team
OTDM	Optical Time Domain Multiplexer
OTDR	Optical Time Domain Reflect
OTE	Optical Transmission Equipment
OTFN	Optical Time and Frequency Networking
OTH	Optical Transport Hierarchy
OTN	Optical Transport Network
OTRS	Open Source Ticket Request System
OVsDB	Open vSwitch Database Management Protocol
OWAMP	One-Way Active Monitoring Protocol
OWD	One-Way Delay
OWDV	One-Way Delay Variation
OWL	One-Way packet Loss
OXC	Optical Cross-Connect
OXp	Open Exchange Point

P[\[Index\]](#)

P	Period
p2p	Peer to peer
PaaS	Platform as a Service
PACE	Performance & Allocated Capacity for End-users
PAIR	Project Annual Internal Review
PAP	Password Authentication Protocol
PAR	Paris, France
PB	Petabyte
PBB	Provider Backbone Bridging
PBB-TE	Provider Backbone Bridging with Traffic Engineering
PBT	Provider Backbone Transport
PC	Personal Computer
PC	Polarisation Controller
PC	Programme Committee
PCA	Principal Component Analysis
PCAP	Application programming interface for packet capturing
PCC	Path Computation Client
PCE	Path Computation Element
PCEB	Path Computation Element Protocol
PCI-X	Peripheral Component Interconnect - Extended
PCMDI	Program for Climate Model Diagnosis and Intercomparison
PCO	Professional Conference Organiser
PDU	Protocol Data Units
PE	Provider Edge
PEAP	Protected Extensible Authentication Protocol

perfSONAR	Performance focused Service Oriented Network monitoring Architecture
Perl	Practical Extraction and Reporting Language
PERMIS	Privilege and Role Management Infrastructure Standards validation
PERT	Performance Enhancement and Response Team
PF	Path Finder
PFX	Personal inFormation eXchange
PG	Performance Guarantee
PHP	Recursive acronym for PHP: Hypertext Preprocessor
PHY	Physical Layer Device
PIC	Photonic Integrated Circuits
PIM	Protocol-Independent Multicast
PIN	Positive Intrinsic Negative
PIN	Prior Information Notice
PIP	Premium Internet Protocol
PIP PS	Premium Internet Protocol Provisioning System
PKI	Public Key Infrastructure
PLM	Product Lifecycle Management
PM	Performance Monitoring
PM&V	Performance Measurement and Verifica
PMA	Policy Management Authority
PMB	Project Management Board
PMC	Performance Measurement Controller
PMC	Project Management Convention
PMD	Polarisation Mode Dispersion
PMF	Project Management Framework
PMLLD	Passively Mode-Locked Laser Diode
PMO	Project Management Office
PMP	Performance Measurement Platform
PMP	Performance Monitoring Platform
PMS	Performance Monitoring System
PMT	Project Management Team
PMV	Performance Monitoring and Verification
PNI	Private Network Interconnect
PO	Project Office
PoC	Proof of Concept
PoP	Point of Presence – the point at which two or more different networks or communication devices build a connection with each other
POP	Post Office Protocol
POP3S	Post Office Protocol version 3 Secured
POS	Packet Over SDH
POS	Packet Over SONET
PPP	Point-to-Point Protocol
PPTP	Point-to-Point Tunneling Protocol
PR	Public Relations
PRACE	Partnership for Advanced Computing in Europe
PRACE 5IP	PRACE 5th Implementation Phase
PRACE 6IP	PRACE 6th Implementation Phase
PRBS	Pseudo-Random Binary Sequence
PRC	Protection and Restoration Combined
PRG	Prague, Czech Republic

PRP	Pacific Research Platform
PSBT	Phase Shaped Binary Transmission
PSK	Phase Shift Keying or Keyed
PSP	Partner Services Promotion
PSU	Power Supply Unit
pSUI	perfSONAR UI
PT	Path Trace
PTE	Path Terminating Equipment
PTP	Precision Time Protocol
PTS	PERT Ticket System
PU	Public
PUE	Power Usage Efficiency
PVA	Performance Verification Architecture
PVC	Permanent Virtual Circuit
PVM	Parallel Virtual Machine
PVM	Performance Verification and Monitoring
PVP	Permanent Virtual Path
PW	Pseudo Wire
PWE3	Pseudo Wire Emulation Edge to Edge
PXM	Packet Switching Module

Q[\[Index\]](#)

Q	Quarter
Q3	CMISE Q3 OPTICS-IM based management interface
Q3	Q3 of Period 2 (P2) of the GN4-2 project, from 1 May to 31 August 2018
QA	Quality Assurance
QASPER	Quality Assurance and Public and External Relations Committee
QCI	Quantum Communications Infrastructure
QKD	Quantum Key Distribution
QMR	Quadratic Magnetic Rotation of Polarization of Light
QoE	Quality of Experience
QoS	Quality of Service
QoT	Quality of Transmission
QSFP	Quad Small Form-factor Pluggable

R[\[Index\]](#)

R	Report
R&D	Research and Development
R&E	Research and Education
R&S	Research & Scholarship
R/W	Read/Write
RA21	Resource Access for the 21st Century
RADIUS	Remote Authentication Dial-In User Service
RadSec	Protocol for transporting RADIUS datagrams over TCP and TLS
RAF	REFEDS Assurance Framework
RAG	Red, Amber, Green
RARE	Router for Academia, Research and Education
RAS	Remote Access Server
R-BE	Remote Bridging Element
RC	Release Candidate

RC4	A software stream cipher used in cryptography
RCA	Resource Control Agent
RDA	Research Data Alliance
RDB	Relational Database
RDP	Remote Desktop Protocol
REFEDS	Research and Education FEDerations
RELAX NG	Schema language for XML
REN	Research and Education Network
RepShield	Reputation Shield
REST	Representational State Transfer
RESTCONF	REST like protocol running over HTTP for accessing data defined in YANG using datastores defined in NETCONF
RFC	Request for Comments
RFI	Request for Information
RI	Research Infrastructure
RI	Remote Institution
RIB	Routing Information Database
RIP	Routing Information Protocol
RIPE	Réseaux IP Européens / European IP Networks
RIPE NCC	European IP Networks Network Coordination Centre
RIPng	Routing Information Protocol next generation
RIR	Regional Internet Registry
RM	Regional Manager
RMI	Remote Message Invocation
ROADM	Reconfigurable Optical Add-Drop Multiplexer
ROM	Results-Oriented Monitoring
RON	Regional Operating Network (Internet2 equivalent to NRENs)
RP	Rendezvous Point
RPC	Remote Procedure Call
RPM	Red Hat Package Manager
RRD	Round Robin Database
RRD MA	Round Robin Database Measurement Archive
RREN	Regional Research and Education Network
RSGS	Remote Sensing Ground Station
RSS	Really Simple Syndication
RST	ReSeT
RSTP	Rapid Spanning Tree Protocol
RSVP	Resource Reservation Protocol
RTBH	Remotely Triggered Black Hole
RTD	Research and Technological Development
RTT	Round Trip Time
RX	Receive
RZ	Return to Zero
S	
SA	Service Activity
SA	Source Announcement
SaaS	Software as a Service
SAML	Security Assertion Markup Language
SANSA	South African National Space Agency

[\[Index\]](#)

SAP	Service Access Point
SAR	Subject Access Request
SaToSa	A configurable proxy for translating between different authentication protocols such as SAML2, OpenID Connect and OAuth2
SBR	Source-Based Restoration
SC	Supervisory Committee
SC	Service Controller
SC	Steering Committee
SCIM	System for Cross-domain Identity Management
SCM	Steering Committee Meeting
SC18	SuperComputing18
SCBE2	Enhanced Switch Control Board
SCHAC	Schema for Academia
SCS	Spectrum Connection Service
SCT	Security Code Training
SCZ	Science Collaboration Zone
SDH	Synchronous Digital Hierarchy
SDIX	Software-Defined Infrastructure Exchange
SDK	Software Development Kit
SDN	Software-Defined Networking
SDN-C	SDN Controller
SDP	Service Delivery Platform
SDP	Service Destination Point
SDSec	Software-Defined Security
SDX	Software-Defined Internet Exchange Point (X = IXP)
SE	Synchronous Ethernet
SED	Security Expertise Delivery
SEE	South-Eastern Europe
SEEFIRE	South-East Europe Fibre Infrastructure for Research and Education
Server	A computer or an application that provides a service.
SFA	Single-Factor Authentication
SFA	Slice-Based Facility Architecture
SFP	Small Form Factor Pluggable Transceiver
SFU	Selective Forwarding Unit
SG	Steering Group
SGA	Specific Grant Agreement
SGSN	Serving GPRS Support Node
Shibboleth	An Internet2 project to investigate technology to support inter-institutional Authentication and Authorisation for access to (mainly) web content.
SI	Service Inventory
SID	Information Framework
SID	Shared Information Data Model
SIG	Special interest Group
SIG-CISS	Special Interest Group – Cloudy Interoperable Software Stacks
SIG-ISM	Special Interest Group – Information Security Management
SIG-Marcomms	Special Interest Group – Marketing Communications
SIG-MSP	Special Interest Group – Management of Service Portfolios
SIG-NGN	Special Interest Group – Next-Generation Networks
SIG-NOC	Special Interest Group – Network Operations Centres
SIG-PMV	Special Interest Group – Performance Monitoring and Verification

SIG-SCOPE	Special Interest Group – Sustainable, Community, Practice Exchange
SIG-TNE	Special Interest Group – Transnational Education
SIM	Subscriber Identity Module
SIP	Session Initiation Protocol
SIRTFI	Security Incident Response Trust Framework for Federated Identity
SKA	Square Kilometre Array
SLA	Service Level Agreement
SLAM	Service Level Agreement Management
SLS	Service Level Specification
SLSTR	Sea and Land Surface Temperature Radiometer
SLT	Service Level Target
SM	Sparse Mode
SME	Subject Matter Expert
SMF	Single Mode Fibre
SMS	Short Messaging Service
SNC	Sub-Network Connection
SNCP	Sub-Network Connection Protection
SNMP	Simple Network Management Protocol
SNR	Signal-to-Noise Ratio
SNTP	Simple NTP
SOA	Semiconductor Optical Amplifier
SOA	Service-Oriented Architecture
SOAP	Simple Object Access Protocol
SOC	Security Operations Centre
SOF	Service Orchestration Functionality
SONET	Synchronous Optical Network or Synchronous Optical Networking
SoTA	State of the Art
SP	Service Provider
SPA	Service Provider Architecture, T2 of GN4-2 JRA2
SPM	Self Phase Modulation
SPOCP	Simple POLicy Control Project
SQ	Sequence
SQL	Structured Query Language
SQL MA	Structured Query Language Measurement Archive
SR	Short Reach
src	source
SRCE	University of Zagreb University Computing Centre
SRF	Service Request Form
SRG	Shared Risk Group
SRV	DNS resource record
SRV record	Service record
SSA	Specific Support Actions
SSE	School of Software Engineering
SSH	Secure Shell
SSID	Service Set IDentifier
SSL	Secure Sockets Layer
SSM	Source-Specific Multicast
SSO	Single sign-on
SSP	Self-Service Portal
SST	Sea Surface Temperature

STF	Service and Technology Forum
STM	Synchronous Transfer Module
STM-1	Synchronous Transport Module Level 1
STP	Spanning Tree Protocol
STS	Synchronous Transport Signal
STT	Scaleable Test Toolkit
STUN	Session Traversal Utilities for NAT
SUT	System Under Test
SVC	Scalable Video Codec
SW	Software
SWAMID	Swedish Academic Identity
SWD	Software Development
SWDI	Scalable WLAN Design and Implementation
SWDS	Software Development Support
SWOBUF	Software Output Buffer
SWOS	Satellite-based Wetland Observation Service
SwUPKI	PKI for Swedish Universities and University Colleges.
SYN	SYNchronisation
SYNACK	SYNchronisation ACKnowledgement
T	
	[Index]
T	Task
T&F	Time and Frequency
T&I	Trust and Identity
TaaS	Testbed as a Service
TACACS	Terminal Access Controller Access Control System
TACAR	Trusted Academic Certification Authority Repository
TAM	TMF Application Framework
TANDEM	TransAfrican Network Development
tb	to be confirmed
Tbps	Terabytes per second
TC	Tracefile Capture
TCAM	Ternary Content-Addressable Memory
TCP	Transmission Control Protocol
TCS	Trusted Certificate Service
TDMA	Time Division Multiple Access
TE	Traffic Engineering
TEIN	Trans-Eurasia Information Network
TELFOR	Telecommunications Forum
Telnet/SSH MP	Telnet/Secure Shell Measurement Point
TENET	Tertiary Education and Research Network of South Africa
TERENA	Trans-European Research and Education Network Association
TESTA	Trans-European Services for Telematics between Administrations
TF	Task Force
TF-CSIRT	Task-Force – Computer Security Incident Response Teams
TF-DPR	Task Force – Data Protection Regulation
TF-ECS	Task Force – Enhanced Communication Services
TF-MSP	Task Force on Management of Service Portfolios
TF-RED	Task Force – Research Engagement Development
TF-VSS	Task Force - Videoconference Service Studies

TF-VVC	Task Force - Voice and Video Collaboration
TFT	Time and Frequency Transfer
TI	Trusted Introducer
TIM	Trust and Identity Incubator Mentorship
TIME	Trust and Internet Identity Meeting Europe
TIP OOLE	Telecom Infra Project Open Optical Link Emulation
TKIP	Temporal Key Integrity Protocol
TL	Task Leader
TL1	Transaction Language 1
TLD	Top Level Domain
TLS	Transport Layer Security
TMF	TM Forum
TNC	The Networking Conference (TNC16, TNC17, TNC18, TNC19) – the largest and most prestigious European research and education networking conference
TNE	Transnational Education
TogoRER	Togo Research and Education Network
ToR	Terms of Reference
TRL	Technology Readiness Level
TT	Trouble Ticket
TTI	Trail Trace Identifier
TTL	Time To Live
TTP	Trusted Third Party
TURN	Traversal Using Relay NAT
TWAMP	Two-Way Active Measurement Protocol
TX-RX	Transmit Receive
U	[Index]
UA	UbuntuNet Alliance
UAB	Autonomous University of Barcelona
UAS	Universal Access and Service
UAT	User Acceptance Testing
UbuntuNet	UbuntuNet Alliance for Research and Education Networking – The regional Research and Education Network of Eastern and Southern Africa
UC	Use Case
UCLP	User Controlled Light Paths
UCSD	The University of California in San Diego
UDDI	Universal Description, Discovery and Integration
UDP	User Datagram Protocol
UDPMon	A tool for testing hardware and network behaviour
UFEC	Ultra Forward Error Correction
UHDRV	UH Driver
UI	User Interface
UMA	User Managed Access
UMTS	Universal Mobile Telecommunications System
UNI	User Network Interface or User-to-Network Interface
UoM	University of Michigan
UPV/EHU	University of the Basque Country
URI	Uniform Resource Identifier
URL	Uniform Resource Locator
URN	Uniform Resource Name

uRPF	Unicast Reverse Path Forwarding
USGS	United States Geological Survey
USM	User Services Manager
uSSO	unified Single Sign-On
UTC	Universal Time Co-ordinated
UTM	Universal Transverse Mercator
UWB	Ultra-Wideband

V[\[Index\]](#)

VAaaS	Vulnerability Assessment as a Service
V Att	Variable Attenuator
Vax	Vaccine
VAX	Virtual Address eXtension
VC	Videoconference
VC	Virtual Circuit
VC	Virtual Container
VC	Virtually Concatenated
VCAT	Virtual Concatenation
VCG	Virtual Concatenation Group
VHDL	(VHSIC-HDL) Very High Speed Integrated Circuit Hardware Description Language
VIPA	Virtually Imaged Phased Array
VITO	Instelling voor Technologisch Onderzoek
VLAN	Virtual Local Area Network
VLBI	Very Long Baseline Interferometry
VLL	Virtual Leased Line
VM	Virtual Machine
VNF	Virtual Network Function
VO	Virtual Organisation (eIRG)
VOA	Variable Optical Attenuator
VoIP	Voice over Internet Protocol
VOMS	Virtual Organisation Membership Service
VOPaaS	VO Platform as a Service
VPI	VPItransmissionMaker Optical Systems
VPL	Virtual Private Line
VPLS	Virtual Private LAN Service
VPN	Virtual Private Network
VRF	Virtual Routing and Forwarding
VSI	Virtual Switch Instance
VTP	VLAN Trunk Protocol
VXLAN	Virtual Extensible LAN

W[\[Index\]](#)

W3C	World Wide Web Consortium
WACREN	West and Central African Research and Education Network
WAN	Wide Area Network
WAN PHY	WAN PHYsical Layer Device
WAYF	Where Are You From
WB	Wave Band
WCDMA	Wideband Code Division Multiple Access
WDM	Wavelength-Division Multiplexing

WebRTC	Web-based Real-Time Communications
WebSSO	Web Single Sign-On
WEP	Wired Equivalent Privacy
WG	Working Group
WI	Work Item
Wi-Fi	Wireless Fidelity
WIM	WAN Infrastructure Manager
WIS	World Information System
WISE	Wise Information Security for Collaborating e-Infrastructures
WLAN	Wireless Local-Area Network
WLCG	Worldwide LHC Computing Grid
WMO	World Meteorological Organisation
WP	Work Package
WPA	Wi-Fi Protected Access
WPA2	Wi-Fi Protected Access, version 2
WPL	Work Package Leader
WSDL	Web Services Definition Language
WSF	Web Services Framework. See ID-WSF.
WSS	Wavelength Selective Switch
WWIS	World Weather Information Service

X[\[Index\]](#)

XENPACK	10 Gigabit Ethernet Pluggable Transceiver
XFP	10 Gigabit Small Form Format Pluggable Transceiver
XFP	eXtensible Filtering Pipelines
XHTML	eXtensible Hypertext Markup Language
XML	Extensible Markup Language
XOR	Exclusive Or
XSD	XML Schema Definition
XSL	eXtensible Stylesheet Language
XSLT	XSL Transformations
XTAC	Xantaro Technical Assistance Centre

Y[\[Index\]](#)

Y	Year
YoY	Year on Year

Z[\[Index\]](#)