Most Important Networks Abbreviations

IETF: Internet Engineering Task Force

RFC: Request for Comments

FDM: frequency division multiplexing

HFC: hybrid fiber coax

DSL: digital subscriber line

DSLAM: digital subscriber line access multiplexer

WLAN: Wireless local area networks

TP: Twisted pair

TDM: Time Division Multiplexing

ISP: Internet Service Providers

IXP: Internet exchange point

DOS: Denial of Service

NCP: Network Control Protocol

ARPANET: Advanced Research Projects Agency Network

PARC: Palo Alto Research Center

NSFnet : National Science Foundation Network

TLS: Transport Layer Security

HTTP: hypertext transfer protocol

RTT: Round Trip Time

GDPR: General Data Protection Regulation

HOL: Head Of Line

FCFS: first-come-first-served

SMTP: simple mail transfer protocol

CR: Carriage return

LF: Line Feed

IMAP: Internet Mail Access Protocol

DNS: Domain Name System

TLD: Top Level Domain

ICANN: Internet Corporation for Assigned Names and Numbers

DNSSEC: Domain Name System Security

TTL: Time to live

RR: Resource Records

P2P: Peer-to-Peer

VOIP: Voice over Internet Protocol

IP: Internet Protocol

CDN: content distribution networks

CBR: constant bit rate

VBR: variable bit rate

DASH: Dynamic, Adaptive Streaming over HTTP

OTT: over the top

TCP: Transmission Control Protocol

UDP: User Datagram Protocol

RDT: Reliable data transfer

FSM: finite state machine

MSS: maximum segment size

EWMA: exponential weighted moving average

FIN: Finish

ACK: Acknowledgement

AIMD: Additive Increase , Multiplicative Decrease

RIP: Routing Information Protocol

IGP: Interior Gateway Protocols

EGP: Exterior Gateway Protocols

OSPF: Open Shortest Path First

SDN: software defined networking

ATM: Asynchronous Transfer Mode

TCAMs: Ternary content addressable memories

CRS: Carrier Routing System

ECN: Explicit congestion notification

RED: Random early detection

WFQ: Weighted Fair Queuing

FCC: Federal Communications Commission

CIDR: Classless InterDomain Routing

DHCP: Dynamic Host Configuration Protocol

RR (scheduling): Round Robin

Another RR: Regional Registries

NAT: network address translation

NFV: network functions virtualization