

## Acronyms and Abbreviations

1G	1st Generation wireless system
3D	3-Dimensional
3GPP	3rd Generation Partnership Project
4G	4th Generation wireless system
5G	5th Generation wireless system
AAA	Authentication, Authorization, and Accounting
AGV	Automated Guided Vehicle
AMF	Access and Mobility Management Function
AN	Access Network
BBU	Baseband Unit
BW	Bandwidth
CAPEX	Capital Expenses
COTS	Commercial Off-The-Shelf
C-RAN	Centralized - Radio Access Network
CS	Circuit Switched
CU	Centralized Unit
C-V2X	Cellular Vehicle to Everything
D-RAN	Distributed Radio Access Network
DU	Distributed Unit
E2E	End-to-End
EC	Edge Computing
eMBB	enhanced Mobile Broadband
eURLLC	enhanced Ultra-Reliable Low-Latency Communication
FCC	Federal Communications Commission
FDD	Frequency Division Duplex
FM	Frequency Modulation
gNB	gNodeB (next generation), a 5G Base Station
ID	IDentification
IMSI	International Mobile Subscriber Identity
IP	Internet Protocol
LOS	Line of Sight
LTE	Long Term Evolution
MEC	Mobile Edge Computing
MIMO	Multiple Input Multiple Output
M-MIMO	Massive Multiple Input Multiple Output
MMTC	Massive Machine Type Communication
N3IWF	Non-3GPP Interworking Function
NF	Network Function
NFV	Network Function Virtualization
NGC	Next Generation Core
NLOS	Non-Line of Sight
NPN	Non-Public network
NR	New Radio
NR-U	New Radio Unlicensed spectrum
NSA	Non-Standalone Architecture
OFDM	Orthogonal Frequency Division Multiplexing
OPEX	Operating Expenses

RAN	Radio Access Network
RF	Radio Frequency
RRH	Remote Radio Head
RU	Radio Unit
SA	Standalone Architecture
SDN	Software Defined Network
SEAF	Security Anchor Function
SIM	Subscriber Identity Module
SMF	Session Management Function
TDD	Time Division Duplex
TSN	Time Sensitive Network
UE	User Equipment (mobile, a fixed station, a data terminal, etc.)
UL	Uplink
UPF	User Plane Function
URLLC	Ultra-Reliable Low Latency Communications
UX	User Experience
VPN	Virtual Private Network
VR	Virtual Reality
vRAN	Virtualized Radio Access Network
XR	Extended Reality