

LIST OF ABBREVIATIONS

3G	Third Generation Wireless (Communications)
3GPP	3 rd Generation Partnership Project
3GPP2	3 rd Generation Partnership Project 2
3GPP-PSS	3 rd Generation Partnership Project – Packet Switched Streaming
AP	Access Point
AR	Access Router
ASM	Any Source Multicast
BCMCS	Broadcast and Multicast Service
BGMP	Border Gateway Multicast Protocol
BSC	Base Station Controller
BTS	Base Station Transceiver System
BU	Binding Update
CBS	Cell Broadcast Service
CBT	Core-Based Trees
CDMA	Code-Division Multiple Access
CN	Core Network
CNTR	Centre of Networking and Telecommunication Research
CoA	Care of Address
CPU	Central Processor Units
DMM	Distributed Mobility Management
DMSP	Designated Multicast Service Provider
DVMRP	Distance-Vector Multicast Routing Protocol
EAP-AKA	Extensible Authentication Protocol method for UMTS Authentication and Key Agreement
EoS	Economies of Scale
FA	Foreign Agent
FMIP6	Fast Mobile IPv6
fps	Frames per Second
FSMs	Finite State Machines
GGSN	Gateway GPRS Support Node
GPRS	General Packet Radio Service
GPS	Global Positioning System

GSM	Global System for Mobile Communications
GTP	Generic Tunnelling Protocol
HD	High Definition
HDTV	High-definition TV
HMIPv6	Hierarchical Mobile IPv6
HoA	Home Address
ICMP	Internet Control Message Protocol
ICMPv6	Internet Control Message Protocol version 6
IETF	Internet Engineering Task Force
IG	Integration Gateway
IGMP	Internet Group Management Protocol
IGMPv2	Internet Group Management Protocol version 2
IMS	Internetworking Management System
IP	Internet Protocol
IPv4	Internet Protocol version 4
IPv6	Internet Protocol version 6
ISHO	Inter-System Handover
ITU-T	International Telecommunications Union - Telecommunication Standardization Sector
LMA	Local Mobility Anchor
MAC	Media Access Control
MAG	Mobile Access Gateway
MBMS	Multimedia Broadcast/Multicast Service
MBONE	Multicast Backbone
Mbps	Megabit per second
MDP	Markov Decision Process
MIH	Media Independent Handover
MIPv6	Mobile Internet Protocol version 6
MLD	Multicast Listener Discovery
MOM	Mobile Multicast Protocol
MOSPF	Multicast Open Shortest Path First
MPEG-2	Motion Picture Experts Group 2
MPEG-4	Motion Picture Experts Group 4
MR	Multicast Router

MSP	Multicast Service Provider
ND	Neighbour Discovery
NIA	Network Interoperating Agent
NS-2	Network Simulator version 2
OMNET++	Objective Modular Network Testbed in C++
PIM	Protocol Independent Multicast
PIM-DM	Protocol-Independent Multicast Dense Mode
PIM-SM	Protocol-Independent Multicast Sparse Mode
PMIPv6	Proxy Mobile IPv6
PTM	Point to Multipoint
PTP	Point to Point
QoE	Quality of Experience
QoS	Quality of Service
RFC	Request for Comments
RNC	Radio Network Controller
RP	Rendezvous Point
RSSI	Received Signal Strength Indicator
SAP	Session Announcement Protocol
SDTV	Standard-definition TV
SGSN	Serving GPRS Support Node
SIP	Session Initial Protocol
SNMP	Simple Network Management Protocol
SPT	Shortest Path Tree
SSM	Source-Specific Multicast
STP	Spanning Tree Protocol
TCP/IP	Transmission Control Protocol / Internet Protocol
TV	Television
UMTS	Universal Mobile Telecommunications System
UTRAN	UMTS Terrestrial Radio Access Network
VoD	Video on Demand
WiFi	Wireless Fidelity