

## WiMAX Explained Abbreviation

<b>3GPP</b>	The Third Generation Partnership
<b>3GPP2</b>	The Third Generation Partnership
<b>3DES -</b>	Triple Data Encryption Standard

### A

<b>AAS -</b>	Adaptive Antenna System
<b>ABR -</b>	Available Bit Rate
<b>ACK -</b>	Acknowledgment
<b>AINSN -</b>	ARQ Identifier sequence number
<b>AK -</b>	Authorization Key
<b>AMC -</b>	Adaptive Modulation and Coding
<b>AOA -</b>	Angle of Arrival
<b>AOD -</b>	Angle of Departure
<b>AP -</b>	Access Point
<b>ARQ -</b>	Automatic Repeat Request
<b>ASIC -</b>	Application Specific Integrated Circuit
<b>ATDD -</b>	Adaptive Time Division Duplex
<b>ATM -</b>	Asynchronous Transfer Mode
<b>ATS -</b>	Abstract Test Suite

### B

<b>BE -</b>	Best Effort Service
<b>BER -</b>	Bit Error Rate
<b>BPSK -</b>	Binary Phase - Shift Keying
<b>BRAN -</b>	Broadband Radio Access Networks
<b>BRS -</b>	Broadband Radio Service
<b>BS -</b>	Base Station
<b>BSN -</b>	Block Sequence Number
<b>BTC -</b>	Block Turbo Code
<b>BWA -</b>	Broadband Wireless Access
<b>BW -</b>	Bandwidth

### C

<b>C/I -</b>	Carrier To Interference Signal Ratio
<b>CAC -</b>	Call Admission Control
<b>CBC -</b>	Cipher Block Chaining
<b>CBLER -</b>	Coded Block Error Rate
<b>CBR -</b>	Constant Bit Rate
<b>CC -</b>	Convolution Coding
<b>CDMA -</b>	Code Division Multiple Access
<b>CID -</b>	Connection Identifier
<b>CINR -</b>	Carrier to interference - plus - noise ratio
<b>CLR -</b>	Cell Loss Rate
<b>COS -</b>	Class Of Service
<b>CPE -</b>	Customer Premises Equipment
<b>CRC -</b>	Cyclic Redundancy Check

**CSCH** - Centralized Scheduling  
**CS** - Convergence Sub layer  
**CSMA/CA** - Carrier Sense Multiple Access/Collision Avoidance  
**CTS** - Clear To Send

## D

**DAMA** - Demand Assigned Multiple Access  
**DBPC** - Downlink Burst Profile Change  
**DCD** - Downlink Channel Descriptor  
**DCF** - Distributed Coordination Function  
**DES** - Data Encryption Standard  
**DFS** - Dynamic Frequency Selection  
**DHCP** - Dynamic Host Configuration Protocol  
**DIUC** - Downlink Interval Usage Code  
**DL** - Downlink  
**DLFP** - Downlink Frame Prefix  
**DOCSIS+** - Data Over Cable Service Interface Specification +  
**DSA** - Dynamic Service Addition  
**DSC** - Dynamic Service Change  
**DSCH** - Distributed Scheduling  
**DSCP** - Differentiated Service Code Point  
**DSD** - Dynamic Service Delete  
**DSL** - Digital Subscriber Line  
**DVB** - Digital Video Broadcast

## E

**EAP** - Extensible Authentication Protocol  
**EGC** - Equal Gain Combiner  
**EIRP** - Effective Isotropic Radiated Power  
**EKS** - Encryption Key Sequency

## F

**FC** - Fragment Control Field  
**FDD** - Frequency Division Duplex  
**FDMA** - Frequency Division Multiple Access  
**FDM** - Frequency Division Multiplexing  
**FEC** - Forward Error Correction  
**FFT** - Fast Fourier Transform  
**FHSS** - Frequency Hopping Spread Spectrum  
**FTP** - File Transfer Protocol

## G

**GP** - Guard Period  
**GPS** - Global Positioning System

**GSM** - Global System For Mobile Communications

## H

**HARQ** - Hybrid Automatic Repeat Request  
**H-FDD** - Half Frequency Division Duplex

**HSDPA** - High Speed Downlink Packet Access  
**HTTP** - Hypertext Transfer Protocol

**I**

**IE** - Information Elements  
**IFFT** - Inverse Fast Fourier Transform  
**IP** - Internet Protocol  
**ISI** - Inter Symbol Interference

**K**

**KEK** - Key Encryption Key

**L**

**LAN** - Local Area Network  
**LinkID** - Link Identifier  
**LLC** - Logical Link Control  
**LMDS** - Local Multichannel Distribution Service  
**LMSC** - LAN/MAN Standards Committee  
**LOS** - Line Of Sight  
**LSB** - Least Significant Bit

**M**

**MAC** - Medium Access Control  
**MAN** - Metropolitan Area Network  
**MIB** - Management Information Base  
**MIMO** - Multiple In Multiple Out  
**MMDS** - Multichannel Multipoint Distribution Service  
**MPDU** - MAC Protocol Data Unit  
**MPLS** - MultiProtocol Label Switching  
**MRC** - Maximal Ratio Combining  
**MSB** - Most Significant Bit  
**MSDU** - MAC Service Data Unit  
**MS** - Mobile Station

**N**

**NACK** - Negative Acknowledgement  
**NLOS** - Not Line of Sight  
**NodeID** - Node Identifier  
**NRTPS** - Non - Real Time Polling Service

**O**

**OFDMA** - Orthogonal Frequency Division Multiple Access  
**OFDM** - Optical Frequency Division Multiplexing  
**OFDM** - Orthogonal Frequency Division Multiplexing  
**OSI** - Open Systems Interconnection

**P**

**PAN** - Personal Area Network  
**PAPR** - Peak to Average Power Ratio

<b>PCF</b> -	Point Coordination Function
<b>PCS</b> -	Packet Convergence Sub layer
<b>PDU</b> -	Protocol Data Unit
<b>PER</b> -	Packet Error Rate
<b>PHSI</b> -	Payload Header Suppression Index
<b>PHSM</b> -	Payload Header Suppression Mask
<b>PHS</b> -	Payload Header Suppression
<b>PHY</b> -	Physical Layer
<b>PICS</b> -	Protocol Implementation Conformance Statement
<b>PKM</b> -	Privacy Key Management Protocol
<b>PM</b> -	Poll Me Bit
<b>PMP</b> -	Point to Multipoint
<b>PN</b> -	Packet Number
<b>PRBS</b> -	Pseudo - Random Binary Sequence
<b>PSH</b> -	Packing Sub headers
<b>PS</b> -	Physical Slot
<b>PTP</b> -	Point to Point
<b>Q</b>	
<b>QAM</b> -	Quadrature Amplitude Modulation
<b>QoS</b> -	Quality Of Service
<b>QPSK</b> -	Quadrature Phase Shift Keying
<b>R</b>	
<b>RCID</b> -	Reduced Connection Identifier
<b>RCT</b> -	Radio Conformance Tests
<b>RF</b> -	Radio Frequency
<b>RLC</b> -	Radio Link Control Protocol
<b>RSSI</b> -	Received Signal Strength Indicator
<b>RSV</b> -	Reserved
<b>RTG</b> -	Receive - Transmit Transition Gap
<b>RTPS</b> -	Real Time Polling Service
<b>RTS</b> -	Request To Send
<b>S</b>	
<b>SAID</b> -	Security Association Identifier
<b>SAP</b> -	Service Access Point
<b>SA</b> -	Security Association
<b>SC</b> -	Single Carrier
<b>SDMA</b> -	Spatial Division Multiple Access
<b>SDO</b> -	Standards Development Organizations
<b>SDU</b> -	Service Data Unit
<b>SFID</b> -	Service Flow Identifier
<b>SHA - 1</b> -	Secure Hash Algorithm Number 1
<b>SI</b> -	Slip Indicator
<b>SLA</b> -	Service Level Agreement
<b>SNMP</b> -	Simple Network Management Protocol
<b>SNR</b> -	Signal To Noise Ratio
<b>SPID</b> -	Sub packet Identifier
<b>SR</b> -	Selective Repeat
<b>SSRTG</b> -	Subscriber Station Receive - Transmit Transition Gap

**SS** - Subscriber Station  
**SSTG** - Subscriber Station Transition Gaps  
**SSTTG** - Subscriber Station Transmit - Receive Transition Gap

**T**

**TCM** - Trellis Coded Modulation  
**TCP** - Transmission Control Protocol  
**TDD** - Time Division Duplex  
**TDMA** - Time Division Multiple Access  
**TDM** - Time Division Multiplexing  
**TEK** - Traffic Encryption Key

**TFTP** - Trivial File Transfer Protocol  
**TLV** - Type Length Value  
**TOS** - Type Of Service  
**TSS&TP** - Test Suite Structure and Test Purposes  
**TTG** - Transmit - Receive Transition Gap

**U**

**UBR** - Unspecified Bit Rate  
**UCD** - Uplink Channel Descriptor  
**UDP** - User Datagram Protocol  
**UIUC** - Uplink Interval Usage Code  
**UL** - Uplink

**V**

**VCI** - Virtual Channel Identifier  
**VC** - Virtual Channel  
**VLAN** - Virtual Local Area Network  
**VoIP** - Voice Over Internet Protocol  
**VPI** - Virtual Path Identifier  
**VP** - Virtual Path

**W**

**WiMax** - Worldwide Interoperability for Microwave Access  
**WLAN** - Wireless Local Area Network  
**WPAN** - Wireless Personal Area Network