

Abbreviations and acronyms

AA	Aircraft Address
AAIS	Advanced Aircraft Information System
ABAS	Aircraft-based Augmentation System
ACARS	Aircraft Communication Addressing and Reporting System
ACAS	Airborne Collision Avoidance System
ACM	Aircraft Condition Monitoring
ACMS	Aircraft Condition Monitoring System
ACP	Audio Control Panel
ADAPT	Air Traffic Management Data Acquisition, Processing and Transfer
ADF	Automatic Direction Finder
ADI	Attitude Director Indicator
ADIRS	Air Data/Inertial Reference System
ADIRU	Air Data Inertial Reference Unit
ADM	Air Data Module
ADR	Air Data Reference
ADS	Air Data System
ADS	Automatic Dependent Surveillance
ADS-B	Automatic Dependent Surveillance-Broadcast
AEEC	Airlines Electronic Engineering Committee
AF	Audio Frequency
AFC	Automatic Frequency Control
AFCS	Auto Flight Control System (Autopilot)
AFDX	Avionics Full Duplex
AFIS	Airborne Flight Information Service
AFMS	Advanced Flight Management System
AFS	Automatic Flight System (Autopilot)
AGC	Automatic Gain Control
AGL	Above Ground Level
AHRS	Attitude/Heading Reference System
AHS	Attitude Heading System
AI	Airbus Industries
AIAA	American Institute of Aeronautics and Astronautics
AIDS	Aircraft Integrated Data System
AIMS	Airplane Information Management System
AIS	Aeronautical Information System
AIV	Anti-Icing Valve
ALT	Altitude
AM	Amplitude Modulation
AMD	Advisory Map Display
AMI	Airline Modifiable Information
AMLCD	Active Matrix Liquid Crystal Display
AMSL	Above Mean Sea Level
AMU	Audio Management Unit
ANSI	American National Standards Institute
ANSIR	Advanced Navigation System Inertial Reference
ANT	Antenna
AOA	Angle of Attack
AOC	Airline Operational Control
AP	Autopilot
APATSI	Airport Air Traffic System Interface

API	Application Programming Interface
APM	Advanced Power Management
APP	Approach
APR	Auxiliary Power Reserve
APU	Auxiliary Power Unit
APV	Approach with Vertical Guidance
ARINC	Aeronautical Radio Incorporated
ARR	Arrival
ARTAS	Advanced Radar Tracker and Server
ARTS	Automated Radar Terminal System
ASAAC	Allied Standard Avionics Architecture Council
ASCB	Aircraft System Common Data Bus
ASCII	American Standard Code for Information Interchange
ASI	Air Speed Indicator
ASIC	Application Specific Integrated Circuit
ASR	Aerodrome Surveillance Radar
ATA	Actual Time of Arrival
ATAS	ADS-B Traffic Advisory System
ATC	Air Traffic Control
ATCRBS	ATC Radio Beacon System
ATE	Automatic Test Equipment
ATFM	Air Traffic Flow Management
ATI	Air Transport Indicator
ATLAS	Abbreviated Test Language for Avionics Systems
ATM	Air Traffic Management
ATN	Aeronautical Telecommunications Network
ATR	Air Transportable Racking
ATS	Air Traffic Services
ATS	Air Traffic System
ATSU	Air Traffic Services Unit
AVC	Automatic Volume Control
AVG	Approach with Vertical Guidance
AVLAN	Avionics Local Area Network
AWIN	Aircraft Weather Information
AWLU	Aircraft Wireless Local Area Network Unit

B-C	Back-Course
BCD	Binary Coded Decimal
BCO	Binary Coded Octal
BDS	Comm. B Data Selector
BER	Bit Error Rate
BFO	Beat Frequency Oscillator
BGW	Basic Gross Weight
BIOS	Basic Input/Output System
BIST	Built-In Self-Test
BIT	Built-in Test
BITE	Built-in Test Equipment
BIU	Bus Interface Unit
BLEU	Blind Landing Experimental Unit
BPS	Bits Per Second

CAA	Civil Aviation Authority
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CABLAN	Cabin Local Area Network
CADC	Central Air Data Computer
CAI	Computer Aided Instruction
CAN	Controller Area Network
CAS	Collision Avoidance System
CAS	Crew Alerting System
CAT	Clear-Air-Turbulence
CCA	Circuit Card Assembly
CDDI	Copper Distributed Data Interface
CDI	Course Deviation Indicator
CDROM	Compact Disk Read-Only Memory
CDS	Common Display System
CDTI	Cockpit Display of Traffic Information
CDU	Control Display Unit
CEATS	Central European Air Traffic Service
CFDS	Central Fault Display System
CH	Compass Heading
CIDIN	Common ICAO Data Interchange Network
CIDS	Cabin Intercommunication Data System
CIO	Carrier Insertion Oscillator
CLB	Climb
CMC	Central Maintenance Computer
CMOS	Complementary Metal Oxide Semiconductor
CMP	Configuration Management Plan
CMS	Centralized Maintenance System
CMU	Communications Management Unit
CNS	Communications Navigation and Surveillance
COMPAS	Computer Orientated Metering, Planning and Advisory System
CONUS	Continental United States
COTS	Commercial Off-The-Shelf
CPA	Closest Point of Approach
CPDLC	Controller Pilot Data Link Communications
CPM	Core Processing Module
CPU	Central Processing Unit
CRC	Cyclic Redundancy Check
CRM	Crew Resource Management
CRT	Cathode Ray Tube
CRZ	Cruise
CTO	Central Technical Operations
CVOR	Conventional VOR
CVR	Cockpit Voice Recorder
CW	Continuous Wave
D8PSK	Differential Eight Phase Shift Keying
DA	Drift Angle
DAC	Digital to Analog Converter
DADC	Digital Air Data Computer
DAP	Downlink Aircraft Parameters
DATAc	Digital Autonomous Terminal Access Communications System
DBRITE	Digital Bright Radar Indicator Tower Equipment
DCPC	Direct Controller Pilot Communications
DCU	Data Concentrator Unit

DDM	Difference in Depth of Modulation
DDR	Digital Data Recorder
DECU	Digital Engine Control Unit
DEOS	Digital Engine Operating System
DEP	Departure
DES	Descent
DEU	Digital Electronics Unit
DF	Downlink Format
DFDAU	Digital Flight Data Acquisition Unit
DFDR	Digital Flight Data Recorder
DFGC	Digital Flight Guidance Computer
DFGS	Digital Flight Guidance System
DFLD	Database Field Loadable Data
DG	Directional Gyro
DGPS	Differential Global Positioning System
DH	Decision Height
DIR INTC	Direct Intercept
DIS	Distance
DITS	Digital Information Transfer System
DMA	Direct Memory Access
DME	Distance Measuring Equipment
DMEP	Data Management Entry Panel
DMOD	Distance Modification
DO	Design Organisation
DP	Departure Procedures
DP	Decimal Point
DPM	Data Position Module
DPSK	Differential Phase Shift Keying
DPU	Display Processor Unit
DRAM	Dynamic Random Access Memory
DS	Data Segment
DSB	Double Sideband
DSB-SC	Double Sideband Suppressed Carrier
DSP	Display Select Panel
DSP	Digital Signal Processing
DSRTK	Desired Track
DTG	Distance To Go
DTG	Dynamically Tuned Gyroscope
DTOP	Dual Threshold Operation
DU	Display Units
DUATS	Direct User Access Terminal System
DVOR	Doppler VOR
EADI	Electronic Attitude Director Indicator
EARTS	En-route Automated Radar Tracking System
EAS	Express Air System
EAT	Expected Approach Time
EATMP	European Air Traffic Management Programme
EATMS	Enhanced Air Traffic Management System
EC	European Commission
ECAM	Electronic Centralized Aircraft Monitoring
ECB	Electronic Control Box

ECM	Electronic Countermeasures
ECS	Environmental Control System
ECU	Electronic Control Unit
EEC	Electronic Engine Control
EEPROM	Electrically Erasable Programmable Read-Only Memory
EFCS	Electronic Flight Control System
EFIS	Electronic Flight Instrument System
EGNOS	European Geostationary Navigation Overlay Service
EGPWS	Enhanced Ground Proximity Warning System
EHF	Extremely High Frequency
EHS	Enhance Surveillance
EHSI	Electronic Horizontal Situation Indicator
EIA	Electronic Industries Association
EICAS	Engine Indication and Crew Alerting Systems
EIDE	Enhanced Integrated Drive Electronics
EIS	Electronic Instrument System
EL	Elevation-Station
ELAC	Elevator and Aileron Computer
ELF	Extremely Low Frequency
eLORAN	Enhanced LORAN
ELM	Extended Length Message
ELS	Elementary Surveillance
ELS	Electronic Library System
EMC	Electromagnetic Compatibility
EMI	Electromagnetic Interference
EPROM	Erasable Programmable Read-Only Memory
EROPS	Extended Range Operations
ERU	Electronic Routing Unit
ES	Extended Squitter
ESA	European Space Agency
ESD	Electrostatic Discharge
ESD	Electrostatic Sensitive Device
ETA	Estimated Time of Arrival
ETOPS	Extended Range Twin-engine Operations
EXEC	Execute
FAA	Federal Aviation Administration
FAC	Flight Augmentation Computer
FADEC	Full Authority Digital Engine Control
FANS	Future Air Navigation Systems
FAR	Federal Aviation Regulations
FBL	Fly-By-Light
FBW	Fly-By-Wire
FCC	Flight Control Computer
FCC	Federal Communications Commission
FCGC	Flight Control and Guidance Computer
FCS	Flight Control System
FCU	Flight Control Unit
FD	Flight Director
FDAU	Flight Data Acquisition Unit
FDC	Flight Director Computer
FDD	Floppy Disk Drive

FDDI	Fibre Distributed Data Interface
FDE	Fault Detection and Exclusion
FDM	Frequency Division (Domain) Multiplexing
FDMU	Flight Data Management Unit
FDR	Flight Data Recorder
FDS	Flight Director System
FET	Field Effect Transistor
FFS	Full Flight Simulator
FG	Flight Guidance
FGC	Flight Guidance Computer
FGI	Flight guidance by digital Ground Image
FGS	Flight Guidance System
FIR	Flight Information Region
FIS	Flight Information System
FIS-B	Flight Information Services-Broadcast
FL	Flight Level
FLIR	Forward Looking Infrared
FLS	Field Loadable Software
FM	Frequency Modulation
FMC	Flight Management Computer
FMCDU	Flight Management Control and Display Unit
FMCS	Flight Management Computer System
FMGC	Flight Management Guidance Computer
FMS	Flight Management System
FOG	Fibre Optic Gyroscope
FRUIT	False Replies from Unsynchronised Interrogator Transmissions
FSK	Frequency Shift Keying
FSS	Fixed Satellite Service
G	Giga (10^9 multiplier)
G/S	Glide Slope
GA	General Aviation
GAT	General Air Traffic
GBAS	Ground-based Augmentation System
GBST	Ground-Based Software Tool
GBT	Ground Base Transmitter
GEO	Geostationary Earth Orbit
GES	Ground Earth Station
GDOP	Geometric Dilution Of Precision
GHz	Gigahertz (10^9 Hz)
GICB	Ground Initiated Comm. B
GLONASS	Global Navigation Satellite System
GLS	GNSS Landing System
GMT	Greenwich Mean Time
GND	Ground
GNSS	Global Navigation Satellite System
GPM	Ground Position Module
GPS	Global Positioning System
GPWS	Ground Proximity Warning System
GRI	Group Repetition Interval
GS	Glide Slope
GS	Ground Speed

GW	Gross Weight
HDD	Head Down Display
HDG	Heading
HF	High Frequency
HIRF	High-energy Radiated Field/High-intensity Radiated Field
Hex	Hexadecimal
HFDS	Head-up Flight Display System
HFDL	High Frequency Data Link
HGS	Head-up Guidance System
HIRF	High-Intensity Radiated Field
HIRL	High-Intensity Runway Lights
HM	Health Monitoring
HMCDU	Hybrid Multifunction Control Display Unit
HPA	High Power Amplifier
HSI	Horizontal Situation Indicator
HUD	Head-Up Display
HUGS	Head-Up Guidance System
Hz	Hertz (cycles per second)
I/O	Input/Output
IAC	Integrated Avionics Computer
IAPS	Integrated Avionics Processing System
IAS	Indicated Air Speed
IATA	International Air Transport Association
IC	Interrogator Codes
ICAO	International Civil Aviation Organisation
IDENT	Identification
IF	Intermediate Frequency
IFE	In-Flight Entertainment
IFF	Identification, Friend or Foe
IFOG	Interferometric Fibre Optic Gyro
IFPS	International Flight Plan Processing System
IFR	Instrument Flight Rules
IHF	Integrated Human Interface Function
IHUMS	Integrated Health and Usage Monitoring System
II	Interrogator Identifier
ILS	Instrument Landing System
IM	Inner Marker
IMA	Integrated Modular Avionics
IMU	Inertial Measurement Unit
INS	Inertial Navigation System
IP	Internet Protocol
IPC	Instructions Per Cycle
IPR	Intellectual Property Right
IPX/SPX	Inter-network Packet Exchange/Sequential Packet Exchange
IR	Infra-Red
IRMP	Inertial Reference Mode Panel
IRS	Inertial Reference System
IRU	Inertial Reference Unit
ISA	Inertial Sensor Assembly
ISA	International Standard Atmosphere

ISAS	Integrated Situational Awareness System
ISDB	Integrated Signal Database
ISDU	Inertial System Display Unit
ISM	Industrial, Scientific and Medical
ISO	International Standards Organisation
IVSI	Instantaneous Vertical Speed Indicator
IWF	Integrated Warning Function
JAA	Joint Airworthiness Authority
JAR	Joint Airworthiness Requirement
JEDEC	Joint Electron Device Engineering Council
K	Kilo (10^3 multiplier)
kHz	Kilohertz (10^3 Hz)
KIAS	Indicated Airspeed in Knots
Km	Kilometre
Knot	Nautical Miles/Hour
KT	Knots
LAAS	Local Area Augmentation System
LAN	Local Area Network
LASER	Light Amplification by Stimulated Emission of Radiation
Lat.	Latitude
LATAN	Low-Altitude Terrain-Aided Navigation
LCD	Liquid Crystal Display
LDA	Localizer Directional Aid
LDU	Lamp Driver Unit
LED	Light-Emitting Diode
LF	Low Frequency
LIDAR	Light Radar
LNAV	Lateral Navigation
LO	Local Oscillator
LOC	Localizer
Long	Longitude
LORADS	Long Range Radar and Display System
LOS	Line Of Sight
LRRA	Low Range Radio Altimeter
LRM	Line Replaceable Module
LRNS	Long Range Navigation System
LRU	Line Replaceable Unit
LSAP	Loadable Aircraft Software Part
LSB	Least Significant Bit
LSB	Lower Sideband
LSD	Least Significant Digit
LSI	Large Scale Integration
LSS	Lightning Sensor System
LUF	Lowest Usable Frequency
M	Mega (10^6 multiplier)
MAPt	Missed Approach Point
MASI	Mach Airspeed Indicator
MAU	Modular Avionics Unit

MCDU	Microprocessor Controlled Display Units
MCP	Mode Control Panel
MCS	Master Control Station
MCU	Modular Component Unit
MDA	Minimum Descent Altitude
MDAU	Maintenance Data Acquisition Unit
METAR	Meteorological Aerodrome Report
MEL	Minimum Equipment List
MF	Medium Frequency
MFD	Multifunction Flight Display
MFDS	Multifunction Display System
MHRS	Magnetic Heading Reference System
MHz	Megahertz (10^6 Hz)
MLS	Microwave Landing System
MLW	Maximum Landing Weight
MM	Middle Marker
MMI	Man Machine Interface
MMR	Multimode Receiver
MMS	Mission Management System
MNPS	Minimum Navigation Performance Specification
MOS	Metal Oxide Semiconductor
MOSFET	Metal Oxide Semiconductor Field Effect Transistor
MRC	Modular Radio Cabinets
MRO	Maintenance/Repair/Overhaul
MSB	Most Significant Bit
MSD	Most Significant Digit
MSG	Message
MSI	Medium Scale Integration
MSK	Minimum Shift Keying
MSL	Mean Sea Level
MSU	Mode Select Unit
MSW	Machine Status Word
MT	Maintenance Terminal
MTBF	Mean Time Between Failure
MTBO	Mean Time Between Overhaul
MTC	Mission and Traffic Control systems
MTOW	Maximum Takeoff Weight
MUF	Maximum Usable Frequency
NASA	National Aeronautics and Space Administration
NAVSTAR	Navigation System with Timing and Ranging
NCD	No Computed Data
ND	Navigation Display
NDB	Navigation Database
NDB	Non-Directional Beacon
NFF	No Fault Found
NGATS	Next Generation Air Transport System
NIC	Network Interface Controller
nm	Nautical mile
NMS	Navigation Management System
NMU	Navigation Management Unit

NOAA	National Oceanic and Atmospheric Administration
NOTAM	Notice to Airmen
NPA	Non-Precision Approach
NVM	Non-Volatile Memory
OAT	Outside air temperature
OBI	Omni Bearing Indicator
OBS	Omni Bearing Selector
ODS	Operations Display System
OEI	One Engine Inoperative
OEM	Original Equipment Manufacturer
OLDI	On-Line Data Interchange
OM	Optical Marker
OMS	On-board Maintenance System
OS	Operating System
OSS	Option Selectable Software
PA	Precision Approach
PAPI	Precision Approach Path Indicator
PBN	Performance Based Navigation
PCA	Preconditioned Air System
PCB	Printed Circuit Board
PCC	Purser Communication Center
PCHK	Parity Check(ing)
PDB	Performance Database
PDL	Portable Data Loader
PFD	Primary Flight Display
PIC	Pilot In Command
PLASI	Pulsed Light Approach Slope Indicator
PLL	Phase Locked Loop
PM	Protected Mode
PMAT	Portable Maintenance Access Terminal
PMO	Program Management Organization
PMS	Performance Management System
PNF	Pilot Non Flying
Pos. init.	Position initialisation
POS	Position
POST	Power-On Self-test
PP	Pre-Processor
PPI	Plan Position Indicator
PPM	Pulse Position Modulation
PPOS	Present Position
PQFP	Plastic Quad Flat Package
PRF	Pulse Repetition Frequency
PRI	Primary
PRN	Pseudo-random Noise
PROG	Progress
PROM	Programmable Read-Only Memory
PSK	Phase Shift Keying
PSM	Power Supply Module
PSR	Primary Surveillance Radar

Q	Quality Factor
QAM	Quadrature Amplitude Modulation
QE	Quadrantal Error
QoS	Quality of Service
QPSK	Quadrature Phase Shift Keying
R/T	Receiver/Transmitter
RA	Resolution Advisory
RA	Radio Altitude
Radar	Radio Direction and Ranging
RAIM	Receiver Autonomous Integrity Monitoring
RAM	Random Access Memory
RDMI	Radio and Distance Magnetic Indicator
RF	Radio Frequency
RIMM	RAM Bus In-line Memory Module
RISC	Reduced Instruction Set Computer
RLG	Ring Laser Gyro
RMI	Radio Magnetic Indicator
RNAV	Area Navigation
RMP	Radio Management Panel
RNP	Required Navigation Performance
ROM	Read-Only Memory
RPAS	Remotely Piloted Aircraft System
RTE	Route
RVR	Runway Visual Range
RX	Receiver
SA	Service Availability
SAARU	Secondary Attitude/Air Data Reference Unit
SAT	Static Air Temperature
SATCOM	Satellite Communications
SBAS	Satellite-based Augmentation System
SC	Suppressed Carrier
SCMP	Software Configuration Management Plan
SDD	System Definition Document
SDI	Source/Destination Identifier
SEC	Secondary
SELCAL	Selective Calling
SES	Single European Sky
SESAR	Single European Sky ATM Research Programme
SHF	Super High Frequency
SI	Surveillance Indicator
SID	Standard Instrument Departure
SLS	Side Lobe Suppression
SMART	Standard Modular Avionics Repair/Test
SNMP	Simple Network Management Protocol
SPDA	Secondary Power Distribution Assembly
SPDT	Single Pole Double Throw
SPI	Special Position Identity
SRAM	Synchronous Random Access Memory
SRD	Short-range Device (radio band)
SRD	System Requirement Document

SROM	Serial Read Only Memory
SSB	Single Sideband
SSI	Small Scale Integration
SSM	Sign/Status Matrix
SSR	Secondary Surveillance Radar
SSV	Standard Service Volume
STAR	Standard Terminal Arrival Routes
STDMA	Self-organising Time Division Multiple Access
STP	Shielded Twisted Pair
SW	Software
SWR	Standing Wave Ratio
T/C	Top of Climb
T/D	Top of Descent
TA	Traffic Advisory
TACAN	Tactical Air Navigation
TAF	Terminal Aerodrome Forecast
TAS	True Air Speed
TAT	Total Air Temperature
Tau	Minimum time to collision threshold
TAWS	Terrain Awareness Warning System
TBO	Time Between Overhaul
TCAS	Traffic Alert Collision Avoidance System
TCVR	Transceiver
TDM	Time Division (Domain) Multiplexing
TIS-B	Traffic Information Services-Broadcast
TK	Track
TKE	Track Angle Error
TRF	Tuned Radio Frequency
TS	Task Switched
TTL	Transistor–Transistor Logic
TTP	Time Triggered Protocol
TWDL	Two-Way Data Link
TX	Transmitter
TX/RX	Transmitter/receiver (transceiver)
UAS	Unmanned Aircraft System
UAT	Universal Access Transceiver
UAV	Unmanned Aerial Vehicle
UDP	User Datagram Protocol
UF	Uplink Format
UHF	Ultra High Frequency
ULSI	Ultra Large Scale Integration
UMS	User Modifiable Software
USB	Universal Serial Bus
USB	Upper Sideband
USCG	United States Coast Guard
UTC	Coordinated Universal Time
UTP	Unshielded Twisted Pair
UV	Ultra-Violet
UVROM	Ultra Violet Programmable Read-Only Memory

VAC	Volts, Alternating Current
VAS	Virtual Address Space
VCO	Voltage Controlled Oscillator
VDB	VHF Data Broadcast
VDC	Volts, Direct Current
VDL	Very High Frequency Data Link
VFR	Visual Flight Rules
VG	Vertical Gyro
VHF	Very High Frequency
VHSIC	Very High Speed Integrated Circuit
VIA	Versatile Integrated Avionics
VLf	Very Low Frequency
VLSI	Very Large Scale Integration
VME	Versatile Module Eurocard
VNAV	Vertical Navigation
VOR	VHF Omnidirectional Range
VORTAC	VOR TACAN Navigation Aid
VPA	Virtual Page Address
VSI	Vertical Speed Indicator
W/S	Whisper-Shout
WAAS	Wide Area Augmentation System
WACS	Wireless Airport Communication System
WAN	Wide Area Network
WD	Wind Direction
WS	Wind Speed
WX	Weather
WXP	Weather Radar Panel
WXR	Weather Radar
XTK	Cross Track
XTAL	Crystal
ZFW	Zero Fuel Weight

For further information please see www.66web.co.uk