

# MALÉV Hungarian Airlines

## FS Airlines Virtual Airlines Management System

---

*Az információ a Gödöllő Repülőtér honlapján található. A MALÉV HUNGARIAN AIRLINES FS Airlines Virtual System által nyomtatható formába történt átdolgozása után került fel a virtuális légitársaságunk honlapjára. ( <http://godolloairport.hu/subpages.php?lang=hu> )*

*A Gyűjtemény többféle forrásból került összeválogatásra (úgy mint: internetes keresés, online-szótárak, pilóta-tananyagok), azzal a szándékkal, hogy - a teljesség igénye nélkül - elsősorban a repülésben gyakran előforduló rövidítések között segítsen eligazodni. Az esetleges hibákért, elírásokért semmilyen felelősséget nem vállalnak a készítőik! A Gyűjtemény csupán hasznos segítség az ismeretek további bővítéséhez, részletesebb információkereséshez.*

## Repülésben Használatos Rövidítések Gyűjteménye

---

### A

- A** Autotuned NAV AID
- A** At or Above (constrained altitude)
- AAC** Aeronautical Administration Communication (a class of communication which supports administrative communication)
- AAS** Advanced Automation System (the end systems for all FAA air traffic control, located at the ARTCCs)
- AATT** Advanced Aviation Transportation Technology
- ABM** Abeam
- A/C** Aircraft
- ACARS** Aircraft Communications Addressing and Reporting System
- ACARS ARINC** communications and address reporting system (digital communications system used primarily for aircraft-to-airline messages)
- ACARS MU** ACARS Management Unit
- ACAS** Airborne Collision and Avoidance System
- ACF** Area Control Facility
- ACFS** Advanced Concepts Flight Simulator (a generic "glass cockpit")
- ACK** Acknowledge
- ACMS** Aircraft Condition Monitoring System
- ACT** Active
- ADC** Air Data Computer
- ADF** Automatic Direction Finder
- ADI** Attitude Director Indicator
- ADLP** Aircraft Data Link Processor (the Mode S subnetwork function onboard the aircraft that implements the OSI network layer protocols)
- ADMA** Aviation Distributors and Manufactureres Association
- ADS** Automatic Dependent Surveillance
- AECB** Atomic Energy Control Board
- AERA** Automated Enroute ATC
- AFCS** Automatic Flight Control System
- AFDS** Autopilot Flight Director System (also A/P F/D)

**AFIS** Airport Flight Information Service  
**AFS** Automatic Flight System  
**AGATE** Advanced General Aviation Transport Experiments  
**AGL** Above Ground Level  
**AHRS** Attitude Heading Reference System  
**AIRS** Advanced Infrared Sounder  
**A/I** Anti-ice  
**ALERFA** Alert phase code (Alerting Service)  
**Alert Indicator** (visual or auditory) which provides information to the flightcrew in a timely manner about an event requiring pilot awareness.  
**ALPA** Air Line Pilots Association  
**ALT** Altitude  
**ALT** Alternate  
**ALTN** Alternate  
**ALT HOLD** Altitude Hold Mode  
**AM** Amplitude Modulation  
**AMSL** Above Mean Sea Level  
**AMSS** Aeronautical Mobile Satellite Service  
**AOA** Angle-of-Attack  
**AOA** Airport Operations Area  
**AOC** Aeronautical Operation Control (communications which support safety and regularity of flight that normally take place between aircraft and the operator)  
**AOCS** Attitude and Orbit Control System  
**AOM** Aircraft Operating Manual  
**AOPA** Aircraft Owners and Pilots Association  
**A/P** Autopilot  
**APA** Allied Pilots Association  
**APC** Aeronautical Passenger Communication (a class of communication which supports passenger communication)  
**APMS** Automated Performance Measurement System  
**APPR** Approach/Approach Mode  
**APRT** Airport  
**APU** Auxiliary Power Unit  
**AQP** Advanced Qualification Program  
**ARAC** Aviation Rulemaking Advisory Committee  
**ARINC** Aeronautical Radio Incorporated  
**ARPA** Advanced Research Projects Agency  
**ARR** Arrival  
**ARTCC** Air Route Traffic Control Center  
**ARTS** Automated Radar Terminal System  
**ASCII** American Standard Code for Interface and Interchange  
**ASI** Air Speed Indicator  
**ASR** Airport Surveillance Radar  
**ASRS** Aviation Safety Reporting System (aviation incident reporting system run by NASA for FAA)  
**AT** At (an altitude)  
**A/T** Autothrottle  
**ATA** Air Transport Association  
**ATA** Actual Time of Arrival  
**ATC** Air Traffic Control (a generic term for a joint civil/military system for controlling traffic within a specific area)  
**ATCS** Advanced Train Control Systems

**ATCSCC** Air Traffic Control System Command Center  
**ATHR** Autothrust System  
**ATIS** Automatic Terminal Information Service (recorded voice message that provides weather and airport services information)  
**ATM** Air Transportation Management  
**ATN** Aeronautical Telecommunications Network (the collection of ground subnetworks, air/ground subnetworks and airborne subnetworks interconnected by ATN routers that support computer-to-computer, internetwork communication and message transfer between host computers using the OSI ISO protocol architecture)  
**ATPL** Air Transport Pilot Licence  
**ATS** Automatic Throttle System  
**ATSC** Air Traffic Service Communications (Communications related to air traffic services. This includes ATC, aeronautical and meteorological information, position reporting and services related to safety and regularity of flight)  
**AV** Avianca  
**AVAIL** Available  
**AVHRR** Advanced Very High-Resolution Radiometer  
**AWACS** Airborne Warning And Control System  
**AWAS** Automated Weather Advisory Station  
**AWIPS** Advanced Weather Interactive Processing System

---

## **B**

**B** At or Below (constrained altitude)  
**BF** MarkAir  
**BIT(E)** Built-In-Test (Equipment)  
**BRG** Bearing  
**BRT** Brightness

---

## **C**

**C** Centigrade  
**CAA** Civil Aviation Authority  
**CAB** Civil Aeronautics Board  
**CAS** Calibrated (Computed) Air Speed  
**CASE** Computer Aided Software Engineering  
**CAT** Clear Air Turbulence  
**CAT** Computer Aided Testing  
**CAT I** Facility providing operation down to 200 feet decision height and runway visual range not less than 2600 feet.  
**CAT II** Facility providing operation down to 100 feet decision height and runway visual range not less than 1200 feet.  
**CAT II a** Facility providing operation with no decision height limit to and along the surface of the runway with external visual reference during final phase of landing and with a runway visual range not less than 700 feet.  
**CBT** Computer Based Training  
**CDI** Course Deviation Indicator  
**CDU** Control display unit (pilots' interface to the FMS)  
**CDTI** Cockpit Display of Traffic Information  
**CENA** Centred' Études de la Navigation Aérienne (France)  
**CFIT** Controlled Flight Into Terrain

**CG** Center of Gravity  
**CGS** Centimeter-gram-second  
**CI** Cost Index  
**CIT** Compressor Inlet Temperature  
**CLB** Climb Detent of the Thrust Levers  
**CLR** Clear  
**CMC** Central Maintenance Computer  
**CNS** Communications Navigations and Surveillance  
**CO** Continetal  
**COM** Cockpit Operating Manual  
**CON** Continuous  
**CO ROUTE** Company Route (also CO RTE)  
**COTR** Contracting Officer's Technical Representative  
**COTS** Commercial Off The Shelf  
**CP** Control Panel  
**CPCS** Cabin Pressure Control System  
**CPDLC** Controller Pilot Datalink Communications  
**CPL** Commercial Pilot Licence  
**CRC** Cyclic Redundancy Check  
**CRITTER** Civil Rotorcraft IFR Terminal-Area Technology Enhancement Research  
**CRM** Cockpit Resource Management  
**CRM** Crew Research Management  
**CRS** Course  
**CRT** Cathode Ray Tube  
**CRZ** Cruise  
**CSD** Constant Speed Drive  
**CTA** Controlled-Time of Arrival  
**CTA** Control Area (ICAO Term)  
**CTAS** Center TRACON Automation System  
**CTC** Centralized Train Central  
**CTR** Aerodrome Control Zone  
**CTR** Center  
**CTRL** Control  
**CVSRF** Crew-Vehicle Simulation Research Facility (NASA Ames)  
**CWS** Control Wheel Steering

---

## **D**

**D** Derated  
**DA** Descent Advisor  
**DBS** Direct Broadcast Satellite  
**DE-TO PR** Derated Takeoff Engine Pressure Ratio  
**D-TO NI** Derated Takeoff Engine Fan Speed  
**DADC** Digital Air Data Computer  
**DATALINK** Digitized Information Transfer (air/ground)  
**DC** Direct Current Electricity  
**D/D** Drift Down  
**DEC** Digital Equipment Corporation  
**DECR** Decrement  
**DEP** Departure  
**DES** Descent  
**DEST** Destination

**DETRESFA** Distress Phase code (Alerting Service)  
**DEV** Deviation  
**DFDAU** Digital Flight Data Acquisition Unit  
**DFDR** Digital Flight Data Recorder  
**DFGS/C** Digital Flight Guidance System/Computer  
**DGPS** Differential GPS  
**DH** Decision Height  
**DIR** Direct  
**DIR/INTC** Direct Intercept  
**DIS** Distance  
**DISCR** Discrepancy  
**DIST** Distance  
**DL** Delta  
**DLP** Data Link Processor (the FAA's ground automation system that supports the Mode S subnetwork (GDLP), internetwork (ATN router) and non-ATC data link application processes)  
**DLR** German Aerospace Research Establishment  
**DME** Distance Measuring Equipment (ground navigational aid that can provide display of distance to selected ground navigational radio transmitter)  
**DMU** Data Management Unit  
**DNTKFX** DownTrack Fix  
**DOT** Department of Transportation  
**DOD** Department of Defense  
**DRU** Data Retrieval Unit  
**DSPY** Display (annunciation on CDU)  
**DTG** Distance-to-go

---

## **E**

**E** East  
**EADI** Electronic Attitude Director Indicator  
**EAS** Equivalent Airspeed  
**EASA** European Aviation Safety Agency  
**ECAM** Electronic Centralized Aircraft Monitor  
**ECON** Economy (minimum cost speed schedule)  
**ECS** Environmental Control System  
**E/D** End-of-Descent  
**EEC** Electronic Engine Control  
**EFC** Expected Further Clearance  
**EFIS** Electronic Flight Instrument System  
**EGT** Exhaust Gas Temperature  
**EHSI** Electronic Horizontal Situation Indicator  
**EICAS** Engine Indicating Crew Alerting System  
**EIU** Electronic Interface Unit  
**ELT** Emergency Locator Transmitter  
**EMP** Electromagnetic Pulse  
**EMS** Emergency Medical Services  
**ENG** Engine  
**E/O** Engine-Out  
**EPR** Engine Pressure Ratio  
**EST** Estimated  
**ETA** Estimated Time of Arrival

**ETX** End of Transmission

**EXEC** Execute

---

## **F**

**F** Fahrenheit

**FA** Final Approach

**FAA** Federal Aviation Administration

**FADEC** Full Authority Digital Engine Control

**FAIL** FMC Fail

**Failure** The inability of a system, subsystem, unit or part to perform within previously specified limits.

**FAF** Final Approach Fix

**FANS** Future Air Navigation Systems

**FAR** Federal Aviation Regulations (federal rules under which flight operations are conducted)

**FAR** Federal Acquisition Regulation

**FAST** Final Approach Spacing Tool

**FBO** Fixed Based Operator

**FCC** Flight Control Computer

**FCU** Flight Control Unit

**F/D (FD)** Flight Director

**FDAMS** Flight Data Acquisition and Management System

**FDC** Flight Data Company

**FDR** Flight Data Recorder

**FEATS** Future European Air Traffic System

**FF** Fuel Flow

**FGS/C** Flight Guidance System/Computer

**FIR** Flight Information Region

**Fix** Position in space usually on aircraft's flight plan

**FL** Flight Level

**FL 310** For example, FL310 is an altitude 31,000 ft. above sea level; used for altitudes above 18,000 ft

**FLCH** Flight Level Change

**FLIDRAS** Flight Data Replay and Analysis System

**FLT** Flight

**FMA** Flight Mode Annunciator: display on or near the PFDs of the current modes of autoflight system

**FMC** Flight Management Computer (also FMCS - FMC System)

**FMGC** Flight Management Guidance Computer

**FMGS** Flight Management Guidance System

**FMS** Flight Management System

**FO** First officer

**FOQA** Flight Operations Quality Assurance

**FPA** Flight Path Angle

**FPA** Focal Plane Array

**FPM** Feet Per Minute

**FQIS** Fuel Quantity Indicating System

**FR** From

**FRA** Flap Retraction Altitude

**FRA** Federal Railroad Administration

**FREQ** Frequency

**FSF** Flight Safety Foundation  
**FT** Feet

---

## **G**

**GA** Go-Around  
**GA** General Aviation  
**GAR** Go-Around  
**GAT** General Aviation Terminal  
**GCA** Ground-controlled Approach  
**GDLP** Ground Data Link Processor (the Mode S subnetwork function within the ground system that implements the OSI network layer protocols)  
**GHz** Gigahertz  
**GMT** Greenwich MeanTime  
**GNSS** Global Navigation Satellite System  
**GPS** Global Positioning System  
**GPWS** Ground Proximity Warning System (warns of inadequate separation from ground and excessive sink rate close to ground)  
**GRAF** Ground Replay and Analysis Facility  
**GRP** Geographical Reference Points  
**GS** Glide Slope  
**GS** Ground Speed  
**G/S** Glideslope  
**GW** Gross Weight

---

## **H**

**HAI** Helicopter Association International  
**HBARO** Barometric Altitude  
**HDG** Heading  
**HDG SEL** Heading Select  
**HDOT** Inertial Vertical Speed  
**HE** Altitude Error  
**HF** High Frequency  
**HIRS** High-Resolution Infrared Sounder  
**HP** Holding Pattern  
**HPRES** Pressure Altitude  
**HSI** Horizontal Situation Indicator  
**HUD** Head-Up Display

---

## **I**

**IA** Inspection Authorization  
**IAOA** Indicated Angle-of-Attack  
**IAS** Indicated Airspeed  
**ICAAS** Integrated Control in Avionics for Air Superiority  
**ICAO** International Civil Aviation Organization  
**ID** Identifier  
**IDENT** Identification  
**IEPR** Integrated Engine Pressure Ratio

**IF** Intermediate Frequency  
**IFR** Instrument Flight Rules  
**IFRB** International Frequency Registration Board  
**IGFET** Insulated Gate Field Effect Transistor  
**ILS** Instrument Landing System (uses precision localizer and glide-slope radio transmitters near a runway to provide landing approach guidance)  
**IMC** Instrument Meteorological Conditions  
**INBD** Inbound  
**INCERFA** Uncertainty Phase Code (Alerting Service)  
**INFO** Information  
**in.hg.** inches of mercury  
**INIT** Initialization  
**INR** Image Navigation and Registration  
**INS** Inertial Navigation System  
**INTC** Intercept  
**IPT** Integrated Product Team  
**IRS** Inertial Reference System  
**IRU** Inertial Reference Unit  
**ISA** International Standard Atmosphere  
**ISO** International Standards Organization  
**ITU** International Telecommunications Union

---

## **J**

**JAR** Joint Airworthiness Regulations  
**JATO** Jet Assisted Takeoff  
**JSRA** Joint Sponsored Research Agreement

---

## **K**

**KG** Kilogram  
**kHz** kilohertz  
**KLM** Royal Dutch Airlines  
**km** Kilometer  
**KT (kts)** Knots  
**kW** Kilowatt

---

## **L**

**L** Left  
**LAT** Latitude  
**LCN** Local Communications Network.  
**LDGPS** Local DGPS  
**LFR** Low-frequency Radio Range  
**LIM** Limit  
**LMM** Compass locator at the middle marker  
**LNAV** Lateral Navigation (provides computer description of aircraft's planned lateral flight path that can be tracked by the autoflight system; lateral path can be shown on map display.)  
**LO** Low



**LOC** Localizer Beam  
**LOE** Line Oriented Evaluation  
**LOFT** Line Oriented Flight Training  
**LOM** Compass Locator at the Outer Marker  
**LON** Longitude  
**LORAN** Long Range Navigation  
**LOS** Line-Oriented Simulation  
**LRC** Long Range Cruise  
**LRU** Line Replaceable Unit  
**LVL CHG** Level Change

---

## **M**

**M** Mach Number  
**M** Manual Tuned NAVAID  
**MAA** Maximum Authorized IFR Altitude  
**MAG** Magnetic  
**MAINT** Maintenance  
**MAN** Manual  
**MAP** Missed Approach  
**M/ASI** Mach/Airspeed Indicator  
**MAX CLB** Maximum engine thrust for two-engine climb  
**MAX CRZ** Maximum engine thrust for two-engine cruise  
**MCA** Minimum Crossing Altitude  
**MCDU** Multipurpose Control Display Unit  
**MCP** Mode Control Panel (pilots' interface to the autoflight system; usually located centrally just below cockpit glare shield)  
**MCT** Maximum Continuous Thrust  
**MCW** Modulated Continuous Wave  
**MDA** McDonnell-Douglas Aerospace  
**MDA** Minimum Descent Altitude  
**MDL** Multipurpose Data Link  
**MEA** Minimum Enroute Altitude  
**MEL** Minimum Equipment List  
**METAR** Aviation Routine Weather Report  
**MIDAS** Man-Machine Integration Design and Analysis System (NASA Ames)  
**MIDAS** Multi-discipline Data Analysis System  
**MILSPEC** Military Specifications  
**MLA** Maneuver Limited Altitude  
**MLE** Landing Gear Extended Placard Mach Number  
**MLS** Microwave Landing System  
**MMO** Mach Max Operating  
**MN** Magnetic North  
**MOA** Memorandum of Agreement  
**MOCA** Minimum Obstruction Clearance Altitude  
**MOD** Modified/Modification  
**Mode S** Type of secondary surveillance radar (SSR) equipment which provides Mode A and Mode C interrogations, discrete address (Mode S) interrogations from the ground or air, and a data link capability  
**MODIS** Moderate-resolution Imaging Spectrometer  
**MRA** Minimum Reception Altitude  
**MSG** Message

**MSL** Mean Sea Level  
**MTBF** Mean Time Between Failures  
**MU** Management Unit  
**MWP** Meteorological Weather Processor

---

## **N**

**N** North  
**NACA** National Advisory Committee for Aeronautics  
**NADIN II** National Airspace Data Interchange Network II (the national digital message switching network for aeronautical data)  
**NAS** National Airspace System  
**NAS** National Aircraft Standard  
**NASA** National Aeronautics and Space Administration  
**N/A** Not Applicable  
**NATCA** National Air Traffic Controllers Association  
**NAV** Navigation  
**NAVAID** Navigational Aid  
**NBAA** National Business Aircraft Association  
**NGATM** New Generation Air Traffic Manager  
**ND** Navigation Display  
**NDB** Nondirectional Radio Beacon  
**NESDIS** National Environmental Satellite, Data, and Information Service  
**NLM** Network Loadable Module  
**NLR** National Research Laboratory (The Netherlands)  
**NM** Nautical Mile  
**NMC** National Meteorological Center  
**NOAA** National Oceanic and Atmospheric Administration  
**NOTAM** Notice for Airman  
**NRP** National Route Program  
**NTSB** National Transportation Safety Board  
**NW** Northwest Airlines  
**NWS** National Weather Service

---

## **O**

**OAG** Official Airline Guide  
**OAT** Outside Air Temperature  
**OATS** Orbit and Attitude Tracking  
**OBTEX** Offboard Targeting Experiments  
**ODAPS** Operational OGE Data Acquisition and Patch Subsystem  
**OFST** Lateral Offset Active Light  
**OGE** Operational Ground Equipment  
**OIS** OGE Input Simulator  
**OO** SkyWest Airlines  
**OP** Operational  
**OPT** Optimum  
**O-QAR** Optical Quick Access Recorder  
**OTFP** Operational Traffic Flow Planning

---

## **P**

**P** Procedure-Required Tuned NAVAID  
**PAR** Precision Approach Radar  
**PAWES** Performance Assessment and Workload Evaluation  
**PBD** Place Bearing/Distance (way point)  
**PD** Profile Descent  
**PDB** Performance Data Base  
**PDC** Pre Departure Clearance  
**PERF** Performance  
**PFD** Primary Flight Display  
**PHARE** Program for Harmonized ATC Research in Europe  
**PHIBUF** Performance Buffet Limit  
**PHINOM** Nominal Bank Angle  
**PIREPS** Pilot Reports  
**PMS** Performance Management System  
**PND** Primary Navigation Display  
**POS** Position  
**POS INIT** Position Initialization  
**POS REF** Position Reference  
**PPI** Plan Position Indicator  
**PPL** Private Pilot Licence  
**PPOS** Present Position  
**PREV** Previous  
**PROC** Procedure  
**PROF** Profile  
**PROG** Progress Page on MCDU  
**PROV** Provisional  
**PT** Total Pressure  
**PTH** Path  
**PVD** Plan View Display

---

## **Q**

**QAR** Quick Access Recorder  
**QFE** Atmospheric pressure (Q) at Field Elevation  
**QNE** 1013.25 Mb Altimeter Subscale Setting (International Standard Atmosphere)  
**QNH** Atmospheric Pressure (Q) at Nautical Height  
**QRH** The barometric pressure as reported by a particular station  
**QTY** Quantity  
**QUAD** Quadrant

---

## **R**

**R** Right  
**R** Route Tuned NAVAID  
**RAD** Radial  
**RAD** Radio  
**RAPS** Recovery Access Presentation System  
**RASCAL** Rotorcraft Air Crew Systems Concepts Airborne Laboratory  
**RCP** Radio Control Panel  
**R/C** Rate of Climb  
**RDP** Radar Data Processing (system)  
**REF** Reference  
**REQ** Required/Requirement  
**REQ** Request  
**RESTR** Restriction  
**RF** radio frequency  
**RMPs** Radio Management Panels  
**RNAV** Area Navigation (generic acronym for any device capable of aircraft guidance between pilot-defined waypoints)  
**RNP** Required Navigation Performance  
**RTA** Required Time of Arrival  
**RTCA** Radio Technical Committee on Aeronautics  
**RTE** Route  
**RVR** Runway Visual Range  
**RWY** Runway

---

## **S**

**S** South  
**SA** Situation Awareness  
**SAS** Scandinavian Airlines System  
**SAT** Static Air Temperature  
**SATCOM** Satellite Communications  
**SBIR** Small Business Innovative Research  
**S/C** Step Climb  
**SEA/TAC** Seattle/Tacoma International Airport  
**SEL** Selected  
**SESMA** Special Event Search and Master Analysis  
**SID** Standard Instrument Departure  
**SIGMET** Significant Meteorological Information  
**SITA** Société Internationale Télécommuniqué Aéronautique  
**SOP** Standard Operating Procedure  
**SOPA** Standard Operating Procedure Amplified  
**SP** Space  
**SPD** Speed Mode  
**SPL** Student Pilot Licence  
**SPS** Sensor Processing Subsystem  
**SQL** Structured Query Language  
**SRP** Selected Reference Point  
**SSFDR** Solid-State Flight Data Recorder

**SSM** Sign Status Matrix  
**STAB** Stabilizer  
**STAR** Standard Terminal Arrival Route  
**STEPCLB** StepClimb  
**STOL** Short Takeoff and Landing  
**STTR** Small Business Technology Transfer Resources  
**SUA** Special Use Airspace  
**SWAP** Severe Weather Avoidance Program

---

## **T**

**TACAN** Tactical Air Navigation  
**TACH** Tachometer  
**TAI** Thermal Anti-Ice  
**TAP** Terminal Area Productivity  
**TAS** True Airspeed  
**TAT** Total AirTemperature  
**TATCA** Terminal Air Traffic Control Automaiton  
**TBD** To Be Determined  
**TBO** Time between Overhauls  
**TBS** To Be Specified  
**TCA** Terminal Control Area  
**TCAS** Traffic Alert & Collision Avoidance System  
**T/C (TOC)** Top-of-Climb  
**T/D (TOD)** Top of-Descent  
**TDWR** Terminal Doppler Weather Radar (TDWR located and classifies windshear conditions and provides advisories in the terminal area. These data are available through the DLP.)  
**TEMP** Temperature  
**TFM** Traffic Flow Management  
**TGT** Target  
**THDG** True Heading  
**THR** Thrust  
**THR HOLD** Throttle Hold  
**TIAS** True Indicated Airspeed  
**TKE** TrackAngle Error  
**TMA** Terminal Control Area  
**TMA** Traffic Management Advisor  
**TMC** Thrust Management Computer  
**TMF** Thrust Management Function  
**TMU** Traffic Management Unit  
**TN** True North  
**T/O (TO)** Takeoff  
**TOD** Top of Descent  
**TO EPR** Takeoff Engine Pressure Ratio  
**TOGA** Takeoff/Go-Around  
**TOT** Total  
**TRA** Thrust Reduction Altitude  
**TRACON** Terminal Radar Approach Control Facility.  
**TRANS** Transition  
**TRK** Track (to a NAVAID)

**TRU** True  
**TSRV** Transport Systems Research Facility  
**TT** Total Temperature  
**TURB** Turbulence

---

## U

**UA** United  
**UHF** Ultra-high Frequency  
**US** USAir  
**USAF** United States Air Force

---

## V

**V** Velocity  
**VA** Heading to an Altitude  
**VA** Design Maneuvering Speed  
**VAR** Variation  
**VAR** Volt-amps Reactive  
**VAR** Visual-aural Radio Range  
**VASI** Visual Approach Slope Indicator  
**VBF(LO)** Flaps up minimum buffet speed at current maneuver load factor minus altitude dependent variable  
**VBFNG(HI)** High speed CAS at N g's to buffet onset  
**VBFNG(LO)** Low speed CAS at N g's to buffet onset  
**VCMAX** Active Maximum Control Speed  
**VCMIN** Active Minimum Control Speed  
**VC** Design Cruising Speed  
**VD** Design Diving Speed  
**VD** Heading to a DME distance  
**VF** Design Flap Speed  
**VFE** Flaps Extended Placard Speed  
**VFR** Visual Flight Rules  
**VFXR(R)** Flap Retraction Speed  
**VFXR(X)** Flap Extension Speed  
**VG** Ground Velocity  
**VGND** Ground Velocity  
**VH** Maximum Level-flight Speed with Continuous Power  
**VHF** Very-high Frequency  
**VHRR** Very High-Resolution Radiometer  
**VISSR** Visible Infrared Spin Scan Radiometer  
**VL** Heading to a course intercept  
**VLS** Lowest Selectable Airspeed  
**VLE** Landing Gear Extended Placard Airspeed  
**VLO** Maximum Landing Gear Operating Speed  
**VLOF** Lift-off Speed  
**VM** Heading to a manual termination  
**VMC** Visual Meteorological Conditions  
**VMC** Minimum Control Speed with Critical Engine Out

**VM(LO)** Minimum Maneuver Speed  
**VMAX** Basic Clean Aircraft Maximum CAS  
**VMIN** Basic Clean Aircraft Minimum CAS  
**VMO** Velocity Max Operating  
**VNAV** Vertical Navigation (provides computer description of aircraft's speed and altitude that can be tracked by autoflight system)  
**VNE** Never-exceed Speed  
**VNO** Maximum Structural Cruising Speed  
**VOLMET** In-flight meteorological information  
**VOM** Volt-ohm-milliammeter  
**VOR VHF** OmniRange Navigatgion System (ground navigational aid that can provide display of aircraft position relative to course through selected ground navigational radio transmitter)  
**VORTAC VHF** Omni Range Radio/Tactical Air Navagation  
**VPATH** Vertical Path  
**VR** Heading to a radial  
**VR** Takeoff Rotation Velocity  
**VREF** Reference Velocity  
**VS** Design Speed for Maximum Gust Intensity  
**V/S** Vertical Speed  
**VSCS** Voice Switching and Control System  
**VSI** Stalling Speed in a Specified Flight Configuration  
**VSO** Stalling Speed in the Landing Configuration  
**VSTOL** Vertical or Short Takeoff and Landing  
**VTK** Vertical Track Distance  
**VTOL** Vertical Takeoff and Landing  
**V/TRK** Vertical Track  
**VTR** Variable Takeoff Rating  
**VU** Utility Speed  
**VX** Speed for Best Angle of Climb  
**VY** Speed for Best Rate of Climb  
**VL** Critical Engine Failure Velocity (Takeoff Decision Speed)  
**V2** Takeoff Climb Velocity

---

## **W**

**W** West  
**WAAS** Wide Area Augmentation System  
**Waypoint** Position in space usually on aircraft's flight plan  
**WBC** Weight and Balance Computer  
**WINDR** Wind Direction  
**WINDMG** Wind Magnitude  
**WPT** Way point  
**W/MOD** With Modification of Vertical Profile  
**WMSC** Weather Message Switching Center  
**WMSCR** Weather Message Switching Center Replacement  
**W/STEP** With Step Change in Altitude  
**WT** Weight  
**WX** Weather  
**WXR** Weather Radar

---

## **X**

**X-BAND** The frequency range between 8000 and 12500 MHz

**XCVR** Transceiver

**XFR** Transfer

**XLTR** Translator

**XM** External Master

**XMIT** Transmit

**XMITR** Transmitter

**XPB** ATC Transponder (also XPDR, XPNDR, TPR)

**XTK** Crosstrack (cross track error)

---

## **Y**

**YSAS** Yaw Stability Augmentation System

**YD** Yaw Damper

---

## **Z**

**Z** Zulu (GMTtime)

**ZFW** Zero Fuel Weight

---