



AEROSPACE ACRONYM & ABBREVIATION GUIDE

- **A** ampere(s)
- **A** auto-tuned navaid
- **A-BPSK** aviation binary phase shift keying
- **A-QPSK** aeronautical quadrature phase shift keying
- **A-SMGCS** advanced surface movement guidance and control systems
- **A/B** autobrake
- **A/C** aircraft
- **A/D** analog-to-digital
- **A/G** air/ground; air to ground
- **A/L** airline
- **A/L** autoland
- **A/N** alphanumeric
- **A/P** autopilot
- **A/T** autothrottle
- **A&P** airframe and power plant
- **AAC** aeronautical administration communications
- **AAC** airline administrative communications
- **AAC** Army Aviation Command (Pakistan)
- **AAIB** Air Accident Investigation Branch (U.K. equivalent of NTSB)
- **AAF** airway facilities service
- **AAI** Airline Avionics Institute
- **AAIPT** Aging Aircraft Enterprise Team
- **AAIU** air accident investigation unit
- **AAL** above aerodome level
- **AALC** autonomous approach landing capability
- **AAMP** advanced architecture microprocessor
- **AAR** Automated Aerial Refueling
- **AATD** Aviation Applied Technology Directorate (U.S. Army)
- **AATT** advanced air transportation technology
- **AAS** advanced automation system (FAA)
- **ABC** automatic brightness control
- **AC** advisory circular
- **AC** alternating current
- **AC2** Dolby surround
- **ACAA** Air Carrier Association of America
- **ACAC** air-cooled air cooler
- **ACAMS** aircraft condition analysis management system
- **ACARS** aircraft communications addressing and reporting system
- **ACAS** airborne collision avoidance system
- **ACC** active clearance control
- **ACC** airspace control center
- **ACC** area control center
- **ACD** automatic conflict detection
- **ACDO** Air Carrier District Office
- **ACE** actuator control electronics
- **ACE** advanced certification equipment
- **ACG** Assessment Compliance Group
- **ACIPS** airfoil cowl ice protection system
- **ACF** area control facility
- **ACK** acknowledgment
- **ACMF** airplane condition monitoring function



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- **ACMP** alternating current motor pump
- **ACMS** aircraft condition monitoring system
- **ACNSS** advanced communication/navigation/surveillance system
- **ACP** audio control panel
- **ACS** active control system
- **ACS** audio control system
- **ACT** active
- **ACTC** airport traffic control towers
- **ACTD** advanced concept technology demonstration
- **ACU** aircraft communications system
- **ACU** antenna control unit
- **ACU** apron control unit
- **ACU** autopilot control unit
- **AD** airworthiness directive (FAA)
- **ADAHRS** air data attitude heading reference system
- **ADAS** automated weather observing system data acquisition system
- **ADB** airport database
- **ADC** air data computer
- **ADC** Air Defense Command
- **ADE** application development engineer
- **ADF** automatic direction finding
- **ADG** air-driven generator
- **ADI** attitude director indicator
- **ADIRS** air data inertial reference system
- **ADIRU** air data inertial reference unit
- **ADL** aeronautical data link
- **ADLP** airborne data link protocol
- **ADLP** aircraft data link processor (Mode S)
- **ADM** air data module
- **ADMS** airline data management system
- **ADN** aircraft data network
- **ADO** airline dispatch office
- **ADO** airport district office
- **ADP** air driven pump
- **ADR** address
- **ADR** Advanced Data Research
- **ADR** alternative dispute resolution
- **ADRAS** airplane data recovery and analysis system
- **ADS** air data system
- **ADS** automatic dependent surveillance
- **ADS-A** automatic dependent surveillance-addressed
- **ADS-A** automatic dependent surveillance-automation
- **ADS-B** automatic dependent surveillance-broadcast
- **ADS-C** ADS-contract
- **ADS-R** ADS-rebroadcast
- **ADSEL** address selective
- **ADSP** automatic dependent surveillance panel
- **ADSSG** ADS Study Group (ICAO)
- **ADSU** automatic dependent surveillance unit
- **ADT** air data tester
- **AEA** Aircraft Electronics Association

- **AECU** audio electronic control unit
- **AED** ALGOL extended for design
- **AEEC** formerly Airlines Electronic Engineering Committee (ARINC)
- **AEP** ARINC engineering practices
- **AEP** audio entertainment player
- **AERA** automated en route air traffic control
- **AES** aircraft earth station (Inmarsat)
- **AESA** active electronically scanned array
- **AESS** aircraft environment surveillance system
- **AEW** airborne early warning
- **AEW&C** Airborne Early Warning and Control
- **AF** airway facilities
- **AFC** Aeronautical Frequency Committee (AEEC)
- **AFC** automatic frequency compensation
- **AFC** automatic frequency control
- **AFCAS** automatic flight control augmentation system
- **AFCS** automatic flight control system
- **AFD** adaptive flight display
- **AFD** autopilot flight director
- **AFDC** autopilot flight director computer
- **AFDS** autopilot flight director system
- **AFDX** avionics full-duplex switched Ethernet
- **AFEPS** ACARS front-end processing system
- **AFGCS** automatic flight guidance and control system
- **AFI** authority format identifier
- **AFIRS** autonomous flight information collection and reporting system
- **AFIS** airborne flight information system
- **AFIS** automated flight inspection system
- **AFM** aircraft flight manual
- **AFMS** automatic flight management system
- **AFN** air traffic services facilities notification
- **AFP** Airspace Flow Program
- **AFRL** Air Force Research Lab
- **AFS** additional secondary factors
- **AFS** aeronautical fixed service (ICAO)
- **AFS** automatic flight system
- **AFSK** audio frequency shift keying
- **AFSS** automated flight service stations
- **AFTN** aeronautical fixed telecommunications network
- **AFTRCC** Aerospace and Flight Test Radio Coordinating Council
- **AFU** artificial feel unit
- **AGACS** automatic A/G communication system
- **AGAE A/G** applications engineering
- **AGATE** Advanced General Aviation Transport Experiments (NASA)
- **AGC** automatic gain control
- **AGCOS** A/G communication services
- **AGCS** air-ground communication systems
- **AGCU** auxiliary generator control unit
- **AGD** ADS-B guidance display
- **AGDL** A/G data link
- **AGIS** A/G intermediate system

- **AGL** above ground level
- **AGR** A/G router
- **AGRM** air/ground router-regional manager
- **AGS** A/G system
- **AGSS** ACARS ground system standard (AEEC)
- **AGTS** A/G test station
- **AGVS** A/G voice sub-network
- **AGW** ARTS gateway
- **AHC** attitude heading computer
- **AHQ** Air Headquarters (Pakistan)
- **AHMS** aircraft health monitoring system
- **AHRS** attitude heading reference system
- **AI** alternative interrogator
- **AI** application interface
- **AI** area incursion
- **AIA** Aerospace Industries Association
- **AIAA** American Institute of Aeronautics and Astronautics
- **AIC** aeronautical information circular
- **AIDC** air traffic services interfacility data communications
- **AIDS** aircraft/airborne integrated data system
- **AIED** aeronautical industry engineering and development
- **AIEM** Airlines International Electronic Meeting (AMC)
- **AIFSS** automated international flight service stations
- **AIL** aileron
- **AIM** airman's information manual
- **AIMS** airplane information management system (Boeing 777)
- **AIMS** airport information management system
- **AINSC** aeronautical industry service communication
- **AIO** analog input/output
- **AIP** aeronautical information publication
- **AIP** Airport Improvement Program
- **AIP** analog input
- **AIRAC** aeronautical information regulation and control
- **AIRCOM** digital air/ground communications service (SITA)
- **AIRE** Atlantic Interoperability Initiative to Reduce Emissions (FAA)
- **AIRMET** airman's meteorological information
- **AIRO** analog input/reference output
- **AIS** aeronautical information service
- **AIS** automatic information services (Eurocontrol)
- **AISG** Applications Interface Sub-Group (IATA)
- **AIV** accumulator isolation valve
- **AJPS** AFEPS journal processing system
- **AKO** Army Knowledge Online
- **ALC** airline link control
- **ALC** asynchronous link control
- **ALC** automatic level control
- **ALMDS** airborne laser mine detection system
- **ALPA** Air Line Pilots Association
- **ALPS** automatic line protection service
- **ALS** application layer structure
- **ALT** airborne link terminal

- **ALT** altitude/alternate
- **ALT-HOLD** altitude hold mode
- **ALTM** altimeter
- **ALTN** alternate
- **ALTRV** altitude reservation
- **ALTS** altitude select
- **ALU** arithmetic and logic unit
- **AM** access module
- **AM** amplitude modulation
- **AMASS** airport movement area safety system
- **AMC** advanced mezzanine card
- **AMC** Air Mobility Command
- **AMC** auxiliary maintenance computer
- **AMC** Avionics Maintenance Conference
- **AMCP** aeronautical mobile communications panel
- **AMD** advisory map display
- **AME** amplitude modulation equivalent
- **AMF** Airborne, Maritime and Fixed Station
- **AMF** Aircraft Manufacturing Factory (Pakistan)
- **AMF-M** AMF-Maritime
- **AMF-SA** AMF-Small Airborne
- **AMF JTRS** Airborne and Maritime/Fixed Station Joint Tactical Radio System
- **AMI** airline modifiable information
- **AMLCD** active matrix liquid crystal display
- **AMIS** aircraft management information system
- **AMOSS** airline maintenance and operation support system
- **AMP** audio management panel
- **AMP** Avionics Modernization Program
- **AMPL** amplifier
- **AMRAAM** Advanced Medium-Range Air to Air Missile
- **AMS** acquisition management system
- **AMS** apron management service
- **AMS** ARINC maintenance service
- **AMS** avionics management service
- **AMS(R)S** aeronautical mobile satellite (route) service
- **AMSS** aeronautical mobile satellite service
- **AMTOSS** aircraft maintenance task oriented support system
- **AMTS** aeronautical message transfer service
- **AMU** ACARS/avionics management unit
- **AMU** audio management unit
- **AMUX** audio multiplexer
- **ANC** Air Navigation Commission (ICAO)
- **ANDC** airport and navigation data compiler
- **ANFR** Agence Nationale des Frequences (France)
- **ANFS** aircraft network and file server
- **ANICS** Alaskan NAS Interfacility Communication
- **ANLP** ARINC network layer protocol
- **ANP** actual navigation performance
- **ANP** air navigation plan/performance
- **ANPA** advanced notice of proposed amendment
- **ANR** active noise reduction



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- **ANS** air navigation system
- **ANS** ambient noise sensor
- **ANSI** American National Standards Institute
- **ANSIR** advanced navigation system inertial reference
- **ANSP** air navigation service provider
- **ANSU** avionics network server unit
- **ANTC** advanced networking test center
- **AO** acronymic obfuscation
- **AOA** ACARS over AVLC
- **AOA** angle of arrival
- **AOA** angle of attack
- **AOAS** advanced oceanic automation system
- **AOC** aeronautical operational control
- **AOC** aircraft operational control
- **AOC** Airline Operational Control Center
- **AOC** airline operations center
- **AOC** airport obstruction chart
- **AOC** airport operational communications
- **AOCC** airline operations control center
- **AODB** airport operational database
- **AODC** age of data, clock (GPS)
- **AODE** age of data, ephemeris (GPS)
- **AOG** aircraft on ground
- **AOHE** air/oil heat exchanger
- **AOM** aircraft operating manual
- **AOP** aeronautical OSI profile
- **AOP** airline operational procedure
- **AOP** analog output
- **AOPA** Aircraft Owners and Pilots Association
- **AOR** Atlantic Ocean region
- **AOR** area of responsibility
- **AOR-E** Atlantic Ocean region-east
- **AOR-W** Atlantic Ocean region-west
- **AP** airport location (ACARS/AFEPS)
- **APA** Allied Pilots Association
- **APA** autopilot amplifier
- **APANPIRG** Asia/PAC Air Navigation Planning & Implementation Regional Group
- **APAS** Active/Passive Aircraft Survivability
- **APB** acquisition program baseline
- **APB** auxiliary power breaker
- **APC** aeronautical passenger communication
- **APC** aeronautical public correspondence
- **APC** autopilot computer
- **APCO** Association of Public Safety Communications Officials
- **APFA** Association of Professional Flight Attendants
- **APFDS** autopilot flight director system
- **APEX** application/executive software
- **API** application programming interface
- **APIM** ARINC Industry Activities Project Initiation/Modification
- **APIRS** attitude and positioning inertial reference system
- **APMS** automated performance measurement system

- **APL** Applied Physics Laboratory
- **APLC** airport performance laptop computers
- **APM** approach path monitor
- **APN** ARINC packet network
- **APP** approach control
- **APPR** approach
- **APR** actual performance reserve
- **APRL** ATN profile requirement list
- **APU** auxiliary power unit
- **APUC** auxiliary power unit controller
- **APX** application/executive software
- **AQF** avionics qualification facility
- **AQP** avionics qualification procedure/program
- **AQP** advanced qualification program
- **AQS** advanced quality system
- **ARB** arbitrary waveform generator
- **ARC** aviation rulemaking committee (FAA)
- **ARD** advanced requirement definition
- **ARDEP** analysis of research & development in Eurocontrol programs
- **ARF** airline risk factor
- **ARM** area regional manager
- **ARMC** area regional maintenance center
- **ARP** air data reference panel
- **ARTAS** ATM surveillance tracker and server
- **ASAS** aircraft separation assurance system (AEEC)
- **ASAS** aviation safety analysis system
- **ASC** aircraft system controller
- **ASC** aural synthesizer card
- **ASCII** American standard code for information interchange
- **ASCB** avionics standard communication bus
- **ASCPC** air supply and cabin pressure controllers
- **ASCS** air supply control system
- **ASCU** anti-skid control unit
- **ASD** aircraft situation display
- **ASDAR** aircraft-to-satellite data relay
- **ASDB** aircraft specific database
- **ASDE** airport surface detection equipment
- **ASDE-X** airport surface detection equipment, model X
- **ASDI** Aircraft Situation Display to Industry
- **ASDL** aeronautical satellite data link
- **ASDR** airport surface detection radar
- **ASE** altimetry system error
- **ASECNA** Agency for Security of Aerial Navigation in Africa and Madagascar
- **ASG** ARINC signal gateway
- **ASI** airspeed indicator
- **ASI** avionics system integration
- **ASIAS** Aviation Safety Information Analysis and Sharing (FAA)
- **ASIC** application specific integrated circuit
- **ASL** above sea level
- **ASM** airspace management
- **ASM** autothrottle servo motor



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- **ASME** American Society of Mechanical Engineers
- **ASOR** Allocating Safety Objectives and Requirements
- **ASOS** automated surface observation system
- **ASP** ACARS sub-network protocol
- **ASP** acquisition strategy paper
- **ASP** aeronautical fixed service systems planning (AFS)
- **ASP** altitude set panel
- **ASP** arrival sequencing program
- **ASPP** application specific programmable processor
- **ASR** airport surveillance radar
- **ASRAAM** advanced short range air-to-air missile
- **ASRS** aviation safety reporting system
- **ASSTC** aerospace simulation and systems test center
- **ASSV** alternate source selection valve
- **ASTA** airport surface traffic automation
- **ASTAMIDS** Airborne Standoff Minefield Detection System
- **ASTERIX** All-Purpose Structured Eurocontrol Surveillance Information Exchange

- **ASTF** airspace system task force
- **ASTM** American Society for Testing and Materials
- **ASTOR** Airborne Stand-Off Radar (U.K.)
- **ASVI** avionics serial video interface
- **ASV** alternate servo valve
- **AT** air transport
- **AT** at an altitude
- **ATA** actual time of arrival
- **ATA** Air Transport Association
- **ATAS** aviation traffic and application software
- **ATC** advanced technology center
- **ATC** air traffic control
- **ATCA** Air Traffic Control Association
- **ATCBI** ATC beacon interrogator
- **ATCC** area and terminal control center
- **ATCRBS** ATC radar beacon system
- **ATCSS** ATC signaling system
- **ATCT** air traffic control tower
- **ATIS** airport traffic information system
- **ATIS** automated terminal information service
- **ATIS-B** automatic terminal information service-broadcast
- **ATDL** air transport data link
- **ATE** automatic test equipment
- **ATE** avionics test and evaluation
- **ATFM** air traffic flow management
- **ATG** advanced concept technology demonstration
- **ATHR** autothrust system
- **ATSRAC** Aging Transport Systems Rulemaking Advisory Committee
- **ATI** airborne tracker illuminator
- **ATIDS** airport surface target identification system/service
- **ATIS** airport traffic information system
- **ATIS** automatic terminal information service
- **ATL** autothrottle limit



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- **ATLAS** abbreviated test language for avionics systems
- **ATM** air traffic management
- **ATM** asynchronous transfer mode
- **ATMAC** Air Traffic Management Committee (RTCA)
- **ATMAS** ATM automation system
- **ATMB** Air Traffic Management Bureau
- **ATM DSS** ATM decision support service
- **ATMS** area navigation, test and management services
- **ATN** aeronautical telecommunication network
- **ATNE** ATN engineering
- **ATNP** ATN panel
- **ATO** air traffic operations
- **ATO** Air Traffic Organization (FAA)
- **ATOL** automatic take-off and landing
- **ATOP** advanced technologies and oceanic procedures
- **ATP** acceptance test procedure/plan
- **ATPAC** Air Traffic Procedures Advisory Committee (FAA)
- **ATR** acceptance test report
- **ATR** air transport racking
- **ATR** air transport radio: ARINC form-factor/standard case dimensions
- **ATS** air traffic services
- **ATS** air turbine starter
- **ATS** autothrottle system
- **ATSAW** Airborne Traffic Situational Awareness
- **ATSC** air traffic services communication
- **AT/SC** autothrottle/speed control
- **ATSGF** air traffic services geographic filter
- **ATSMP** air traffic services message processor
- **ATSO** air traffic services organization
- **ATSP** air traffic services provider
- **ATSRAC** Aging Transport Systems Rulemaking Advisory Committee (FAA)
- **ATSU** air traffic services unit
- **ATWR** apron tower (and operator)
- **AUSRIRE** All Union Scientific Research Institute of Radio Equipment: CIS (former Soviet) agency

- **AUX** auxiliary
- **AVC** aviation VHF car rental availability (messages)
- **AVH** aviation VHF hotel availability (messages)
- **AVLAN** avionics local area network
- **AVLC** aviation VHF link control
- **AVM** airborne vibration monitor
- **AVN** avionics
- **AVOD** audio and video channels on demand
- **AVOL** aerodrome visibility operational level
- **AVPAC** aviation VHF packet communications
- **AVS** aviation VHF seat availability (messages)
- **AWACS** airborne warning and control system
- **AWAS** automated weather advisory station
- **AWC** Air Weapons Complex (Pakistan)
- **AWG** American wire gauge
- **AWIN** advanced weather information system

- **AWIN** aviation weather information
- **AWIPS** advanced weather interactive processing system
- **AWLU** aircraft wireless LAN unit
- **AWM** auto warning mixer
- **AWO** all weather operations
- **AWOP** AWO panel
- **AWOS** automated/airport weather observing system
- **AWR** aviation weather research
- **AZ** azimuth: angular measurement in horizontal plane
- **B-NAV** basic area navigation
- **BAMS** Broad Area Maritime Surveillance
- **BBML** broadband multi-link
- **BDA** bomb damage assessment
- **BDMIS** business data management and invoicing system
- **BDS** comm-B designation subfield
- **BEA** Bureau d'Enquetes Accidents (French equivalent of NTSB)
- **BEP** back-end processor
- **BEPMS** BEP management system
- **BER** bit error rate
- **BFE** buyer furnished equipment
- **BFO** beat frequency oscillator
- **BFT** Blue Force Tracking
- **BGARS** basic general aviation research simulator
- **BGI** bus grant inhibit
- **BGP** border gateway protocol
- **BI** burn-in
- **Bi-SC** Bi-Strategic Command
- **BiG** bilingual ground station (ACARS and VDL Mode 2)
- **BIS** boundary intermediate system
- **BISMS** BIS management system
- **BIST** built-in self-test
- **BiSync** binary synchronous control
- **BIT** built-in test
- **Bit** a binary digit
- **BITE** built-in test equipment
- **BIU** bus interface unit
- **BLK** block/black
- **BMV** brake metering valve
- **BNR** binary
- **BNS** boundary notification system (squitters)
- **BOC** binary offset carrier
- **BOC** bottom of climb
- **BOP/COP** bit-oriented protocol/character-oriented protocol
- **BP** bite processor
- **BPCU** bus power control unit
- **BPL** broadband over powerlines
- **BPS** bits per second
- **BPSK** binary phase shift keying
- **BR** bridge
- **BRG** bearing
- **BRI** basic rate interface



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- **BRNAV** basic area navigation
- **BRT** brightness
- **BSN** backbone sub-network
- **BSC** binary synchronous communication
- **BSCU** brake system control unit
- **BSP** board support package
- **BSU** beam steering unit
- **BSU** bypass switch unit
- **BTB** bus tie breaker
- **BTMU** brake temperature monitor unit
- **BU** backup
- **BUEC** BU emergency communications
- **BUFR** binary universal form for communication representation
- **BWAN** BU wide area network
- **Byte** a grouping of eight bits
- **C2** command and control
- **C41** command, control, communications, computers & intelligence
- **C4ISR** command, control, communications, computers, intelligence, surveillance and reconnaissance

- **C-MANPADS** Counter-Man Portable Air Defense System
- **C/A** code course acquisition code (GPS)
- **C/NO** carrier-to-noise density ratio
- **C/R** command/response
- **C/SOIT** communications/surveillance operational implementation team
- **C/UT** code/unit test
- **C&C** command and control (also C2)
- **C&W** control and warning
- **CA** conflict alert
- **CAA** Civil Aviation Administration
- **CAA** Civil Aviation Authority
- **CAAC** Civil Aviation Administration of China
- **CAAFI** Commercial Aviation Alternative Fuels Initiative (FAA)
- **CAAS** common avionics architecture system
- **CAASD** Center for Advanced Aviation System Development (MITRE Corp.)
- **CAB** Civil Aeronautics Board
- **CAC** caution advisory computer
- **CACP** cabin area control panel
- **CAD** computer-aided design
- **CADAG** Communications, Automation and Data Link Applications Group
- **CADC** central air data computer (an analog system)
- **CADS** centralized automatic dependent surveillance
- **CAE** component application engineer
- **CAGE** commercial avionics GPS engine
- **CAH** cabin attendant handsets
- **CAI** caution annunciator indicator
- **CALSEL** variation of SELCAL system
- **CAM** computer-aided manufacturing
- **CAN** controller area network
- **CANbus** control area network
- **CANSO** Civil Air Navigation Services Organization
- **CAOC** Combined Air Operations Center

- **CAP** Civil Air Patrol (U.S.)
- **CAPA** Coalition of Airline Pilots Association
- **CAPS** commercial airliner protection system
- **CARE** cooperative actions on R&D in Eurocontrol
- **CAS** collision avoidance system
- **CAS** commercially available software
- **CAS** computed airspeed
- **CASA** controller automated spacing aid
- **CASCADE** Co-operative ATS (Air Traffic Services) through Surveillance and Communication Applications Deployed in ECAC (European Civil Aviation Conference)

- **CASE** computer-aided software engineering
- **CASR** Civil Aviation Safety Regulations
- **CASS** Consolidated Automated Support System
- **CAT** categories (I, II, IIIa/b/c) approach
- **CAT** clear air turbulence
- **CAT** computer aided testing
- **CAVS** CDTI assisted visual separation
- **CBA** cost/benefit analysis
- **CBT** computer-based training
- **CC** connection confirm
- **CCA** circuit card assembly
- **CCB** configuration control board
- **CCB** converter circuit breaker
- **CCD** category class diagram
- **CCD** charged coupled device
- **CCD** coherent change detection
- **CCD** cursor control device
- **CCIR** International Radio Consultative Committee
- **CCITT** Consultative Committee International Telephone and Telegraph
- **CCP** consolidated control panel
- **CCS** cabin communication system
- **CCS** common core system
- **CCTV** closed-circuit television
- **CD** carrier detect
- **CD** chrominance difference
- **CDA** continuous descent approach
- **CDA** coordinating design authority
- **CDAM** centralized data acquisition module
- **CDAM** common data acquisition module
- **CDG** configuration database generator
- **CDI** course deviation indicator
- **CDM** collaborative decision-making
- **CDMS** CDM system
- **CDMS** control and data management system
- **CDP** continuous data program
- **CDR** critical design review
- **CDS** central dispatch system
- **CDS** cockpit display systems
- **CDS** common display system
- **CDSS** cockpit door surveillance system

• CDT	controlled departure time
• CDTI	cockpit display of traffic information
• CDU	control display unit
• CDV	compressed digital video
• CEC	cooperative engagement capability
• CEI	cabin equipment interfaces
• CENTCOM	U.S. Central Command
• CENTRIXS	Combined Enterprise Regional Exchange System
• CEP	circular error probable
• CF	change field
• CFDIU	centralized fault display interface unit
• CFDS	central fault display system
• CFDU	configurable file data unit
• CFIT	controlled flight into terrain
• CFM	cubic feet per minute
• CFM	configuration management
• CFMU	central flow management unit
• CFS	cabin file server
• CG	center of gravity
• CHAIN	Compartmented High Assurance Information Network
• CHI	computer/human interface
• CHIS	center hydraulic isolation system
• CI	configuration item
• CI	cabin interphone
• CID	category interaction diagram
• CIDIN	common ICAO data interchange network
• CIDS	cabin interphone distribution system
• CIE	Commission Internationale de l'Eclairage
• CIGS	copper-indium-gallium-diselenide
• CIP	capital investment plan
• CIP	convergence & implementation program (Eurocontrol)
• CIS	common information services
• CIS	corporate information system
• CLNP	connectionless network protocol
• CLNS	connectionless network service
• CLTP	connectionless mode transport protocol
• CM	context/configuration management
• CMC	central maintenance computer
• CMCF	CMC function
• CMCS	CMC system
• CMD	command
• CMF	common message format
• CMGT	contract management
• CMM	capability maturity model
• CMM	common mode monitor
• CMM	component maintenance manual
• CMN	control motion noise
• CMOS	complementary metal oxide semiconductor
• CMP	configuration management plan
• CMS	cabin management system
• CMU	communication management unit

• CND	can not duplicate
• CNDB	customized navigation database
• CNES	Centre National d'Etudes Spatiales (France)
• CNI	communications, navigation and identification
• CNP	com/nav/pulse
• CNR	customer notification reports
• CNS	communication, navigation surveillance
• CNS/ATM	communications, navigation, surveillance/air traffic management
• CNSI	com/nav/surveillance/identification
• CNUS	cabin network server unit
• COA	certificate of authorization
• CODEC	coder/decoder
• COM	cockpit operating manual
• COMINT	communications intelligence
• COMINT/DF	COMINT direction finding
• COMM	communications
• COM/MET/OPS	communications/meteorological/operations
• CON	continuous
• COMSAT	Communications Satellite Corp.
• CONOPS	concept of operations
• CONUS	continental United States
• COP	character-oriented protocol
• COTP	connection-oriented transport protocol
• COTR	contracting officer's technical representative
• COTS	commercial-off-the-shelf
• CP	central processor
• CP	conflict probe
• CP	control panel
• CPA	closest point of approach
• CPA	Coalition of Airline Pilots Associations
• CPA	collision prediction and alerting
• CPC	cabin pressure controller
• CPC	controller-pilot communications
• CPC	cursor position control
• CPCI	computer program configuration item
• CPCS	cabin pressure control system
• CPDLC	controller-pilot data link communications
• CPE	circular position error
• CPI	continuous process improvement
• CPM	core processing module
• CPM	critical path method
• CPS	cabin pressure sensor
• CPS	central processing system
• CPU	central processing unit
• CR	change of request
• CR	connection request
• CR	contrast ratio
• CRA	conflict resolution advisory
• CRAF	Civil Reserve Air Fleet
• CRC	cyclic redundancy checking/code
• CRD	current routing domain

• CRADA	cooperative research and development agreement
• CRM	crew/cockpit resource management
• CRPA	controlled reception pattern antenna
• CRS	Congressional Research Service (U.S.)
• CRISD	computer resources integrated support document
• CRISTAL	Cooperative Validation of Surveillance Techniques and Applications (Eurocontrol)
• CRM	collision risk model
• CRM	crew resource management
• CRMA	code reuse multiple access
• CRR	cutover readiness review
• CRS	course
• CRT	cathode ray tube
• CRZ	cruise
• CS	commercial service
• CS	common service
• CSC	cargo system controller
• CSC	common signaling channel
• CSC	computer software component
• CSCI	computer software configuration item
• CSF	command/status frame
• CsLEOS	BAE Systems real-time operating system
• CSMA	carrier sense multiple access
• CSMA/CD	carrier sense multiple access with collision detection
• CSCP	cabin system control panel
• CSDB	commercial standard data bus
• CSDS	cargo smoke detector system
• CSEU	control systems electronics unit
• CSMM	crash survivable memory modules
• CSMU	cabin system management unit
• CSP	Common Sensor Payload
• CSPA	closely spaced parallel approach
• CSS	cabin systems subcommittee
• CSTAC	Commercial Space Transportation Advisory Committee (FAA)
• CSU	channel service unit
• CSU	computer software unit
• CSU	configuration strapping unit
• CTA	control area
• CTA	controlled time of arrival
• CTAF	common traffic advisory frequency
• CTAI	cowl thermal anti-icing
• CTAS	center TRACON automation system
• CTC	cabin temperature controller
• CTD	cabin training device
• CTL	control
• CTMO	centralized air traffic flow management organization
• CTOL	conventional takeoff and landing
• CTR	center
• CTR	control zone
• CTRD	configuration test requirements document
• CTRL	control



AEROSPACE ACRONYM & ABBREVIATION GUIDE

- **CTS** clear to send
- **CTS** conformance test suite
- **CTS/TCTS** combat training system/tactical combat training system
- **CTU** cabin telecommunications unit
- **CU** channel utilization
- **CU** combiner unit (HUD)
- **CU** control unit
- **CUG** closed user group
- **CUTE** common use terminal equipment
- **CV/DFDR** cockpit voice and digital flight data recorder
- **CVR** cockpit voice recorder
- **CVRCP** cockpit voice recorder control panel
- **CW** clockwise
- **CW** continuous wave
- **CWI** continuous wave interference
- **CWID** Coalition Warrior Interoperability Demonstration
- **CWP** central weather processor
- **CWP** controller/ed working position
- **CWS** control wheel steering
- **D8PSK** differential 8-phase-shift keying
- **D-ATIS** digital automatic terminal information service
- **D-OTIS** data link operational terminal service
- **D-TAXI** data link taxi clearance delivery
- **D-TOC** digital transfer of communications
- **DA** descent advisor
- **DA** design authority
- **DA** digital-to-analog
- **DABS** discrete addressable beacon system
- **DAC** digital-to-analog converters
- **DADC** digital air data computer
- **DADS** digital air data system
- **DAISS** digital airborne intercommunication switching system
- **DAP** digital service access product
- **DAP** direct action penetration
- **DAP** downlink aircraft parameter
- **DAP** download of aircraft parameter
- **DAR** data access recorder
- **DARC** direct access radar channel
- **DARP** dynamic aircraft route planning
- **DARPA** Defense Advanced Research Projects Agency (U.S.)
- **DAS** designated alteration station
- **DAS** digital audio subcommittee
- **DAS** distributed aperture system
- **DASS** defensive aids sub-system
- **DB** database
- **dB** decibel
- **dba** dB adjusted
- **DBI** downlink block identifier
- **dbi** dB referenced to an isotropic antenna
- **dbi** decibels above isotropic circular
- **dbm** dB below 1 milliwatt

- **DBS** direct broadcast satellite
- **DBU** database unit
- **DBU** dial backup
- **dBW** dB-watts or referenced to 1 watt
- **DC** direct current
- **DC** disconnect confirm
- **DCAS** digital control audio system
- **DCD** double channel duplex
- **DCE** data communications equipment
- **DCGF** data conversion gateway function
- **DCL** departure clearance (European)
- **DCM** digital coherent mute
- **DCMF** data communication management function
- **DCMS** data communication management system
- **DCN** document/drawing/design change notice
- **DCP** data communication process
- **DCP** display control panel
- **DCS** double channel simplex
- **DCU** data concentration unit
- **DCV** directional control valve
- **DD** data delivery
- **DDA** digital differential analyzer
- **DDD** dual disk drive
- **DDM** difference in depth of modulation
- **DDP** declarations of design and performance
- **DDR** draft document review
- **DDR** double data rate
- **DDRMI** digital distance radio magnetic indicator
- **DDS** direct digital synthesizer
- **DDT** downlink data transfer
- **DER** designated engineering representative
- **DERA** Defense Research and Evaluation Agency (U.K.)
- **DEU** display electronics unit
- **DF** direction finding
- **DFA** direction finding antenna
- **DFCS** digital flight control system
- **DFDAF** digital flight data acquisition function
- **DFDAMU** digital flight data acquisition management unit
- **DFDAU** digital flight data acquisition unit
- **DFDR** digital flight data recorder
- **DFDU** digital flight data unit
- **DFGC** digital flight guidance computer
- **DFGS** digital flight guidance system
- **DFIDU** dual function interactive display unit
- **DFIU** digital flight instrument unit
- **DFS** Deutsche Flugsicherung GmbH (Germany)
- **DFS** digital frequency select
- **DfT** Department for Transport (U.K.)
- **DFU** digital function unit
- **DG** directional gyro
- **DGDP** Directorate General Defense Purchases (Pakistan)



AEROSPACE ACRONYM & ABBREVIATION GUIDE

• DGNSS	differential global navigation satellite system
• DGPS	differential global positioning system
• DH	decision height
• DHCP	dynamic host configuration protocol
• DHS	Department of Homeland Security
• DI	data interrupt
• DIFAX	digital facsimile
• DIGNU	deeply integrated guidance and navigation unit
• DIP	data interrupt program
• DIP	dual in-line package
• DIR	director
• DIRCM	direct infrared countermeasures
• DIR/INTC	direct intercept
• DISA	Defense Information Systems Agency (U.S.)
• DISC	disconnect
• DISCH	discharge
• DIST	distance
• DITS	data information transfer system
• DL	data link
• DLAP	data link application processor
• DLC	data link control
• DLCI	data link control identifier
• DLE	data link entity
• DLK	data link (AEEC)
• DLL	data link layer
• DLM	data link management unit
• DLME	data link and message engineering
• DL/MSU	data loader/mass storage unit
• DLNA	diplexer/low-noise amplifier
• DLORT	data link operational requirements team
• DLP	data link processor
• DLS	data link service/system
• DLU	download unit
• DM	disconnected mode
• DMA	direct memory access
• DMD	digital memory device
• DME	distance measuring equipment
• DME/N	DME normal
• DME/P	DME precision
• DMM	data memory module
• DMS	data link management system
• DMS	debris monitoring sensor
• DMU	data management unit
• DoD	Department of Defense (U.S.)
• DoT	Department of Transportation (U.S.)
• DOTS	dynamic ocean tracking system
• DPI	dots per inch
• DPR	dual port RAM
• DPSK	differential phase shift keying
• DR	dead reckoning
• DR	deduced reckoning

- **DRAM** dynamic random access memory
- **DRER** designated radio engineering representative (FAA)
- **DRN** document release notice
- **DRVSM** domestic reduced vertical separation minimum
- **DSAD** digital service access device
- **DSARC** defense system acquisition review cycle
- **DSB** double side band
- **DSB-AM** DSB-amplitude modulation
- **DSDU** data signal display unit
- **DSF** display system function
- **DSP** data link service provider
- **DSP** departure sequencing program
- **DSP** digital signal processor
- **DSP** display select panel
- **DSP** domain specific part
- **DSPDRV** display driver
- **DSR** display system replacement
- **DSS** decision support services
- **DSU** data signaling unit
- **DT&E** development test and evaluation
- **DTD** data terminal display
- **DTD** document type definition
- **DTE** data terminal equipment
- **DTED** digital terrain evaluation data
- **DTG** distance-to-go
- **DTM** demonstration test milestone
- **DTMF** dual tone multifrequency (telephone)
- **DTP** distributed targeting processor
- **DTPDU** data protocol data unit
- **DTRS** data transceiver router server
- **DTS** digital theatre systems
- **DTU** data transfer unit
- **DU** display unit
- **DUAT** direct user access terminal
- **DUATS** direct user access terminal system
- **DUST** dual-use science and technology
- **DVF** demonstration and validation facility
- **DVM** digital voltmeter
- **DVMC** digital video map computer
- **DVOR** Doppler very high frequency omnidirectional range
- **DVRS** digital voice recorder system
- **DWAN** direct WAN
- **E-PIREPS** electronic pilot reports
- **E/D** end-of-descent
- **E/O** engine-out
- **E&E** electronics and equipment
- **EAA** Experimental Aircraft Association
- **EACARS** enhanced ACARS
- **EAD** engine alert display
- **EAD** European AIS database (Eurocontrol)
- **EADI** electronic attitude director indicator

• EADS	European Aeronautic Defence and Space Co.
• EAFR	enhanced airborne flight recorder
• EAI	engine anti-ice
• EAL	evaluation assurance level
• EAL-7	evaluation assurance level-7
• EANPG	European Air Navigation Planning Group
• EAP	engine alert processor
• EAROM	electrically alterable read-only memory
• EARTS	en route automated radar tracking system
• EAS	equivalent airspeed
• EASA	European Aviation Safety Agency
• EASIE	enhanced ATM and Mode S implementation in Europe
• EATCHIP	European air traffic control harmonization & integration program
• EATMS	European ATM System (Eurocontrol)
• EATRADA	European ATM Research and Development Association
• EBR	extended bit rate
• EC	European Commission
• ECAC	European Civil Aviation Conference
• ECAM	electronic caution alert module
• ECC	error correcting code
• ECEF	earth-centered, earth-fixed
• ECL	emitter coupler logic
• eCM	equipment conditioning monitoring
• ECMP	electronic component management system
• ECN	engineering change notice
• ECO	engineering change order
• ECP	EICAS control panel
• ECP	engineering change proposal
• ECS	engineering compiler system
• ECS	environmental control system
• ECS	event criterion subfield
• ECSL	left environmental control system card
• ECSMC	ECS miscellaneous card
• ECSR	right environmental control system card
• ECU	electronic control unit
• ED	EICAS display
• EDA	electronic design automation
• EDAC	error detection and correction
• EDARC	enhanced direct access radar channel
• EDC	error detection and correction
• EDDS	electronic document distribution service
• EDI	electronic data interchange
• EDI	engine data interface
• EDIF	engine data interface function
• EDIS	emergency digital information service
• EDIU	engine data interface unit
• EDMS	electronic data management system
• EDP	electronic data processing
• EDP	engineering development pallet
• EDP	engine driven pump
• EDS	embedded diagnostic system

• EDS	explosive detection system
• EDU	electronic display unit
• EE	electrical engineer
• EE	electronics equipment
• EEAS	enhanced en-route automation system
• EEC	electronic engine control
• EEC	Eurocontrol Experimental Center
• EEPROM	electrical erasable programmable ROM
• EEU ELMS	electronics unit
• EFB	electronic flight bag
• EFC	expected further clearance
• efd	electronic flight display
• EFDAS	European logical flight data server (Eurocontrol)
• EFDP	European flight data processing (Eurocontrol)
• EFIC	electronic flight instrument controller
• EFIP	electronic flight instrument processor
• EFIS	electronic flight instrument system
• EFIS	CP EFIS control panel
• EGI	embedded GPS/INS
• EGIHO	expedited ground-initiated handoff
• EGNOS	European Geostationary Overlay System
• EGP	exterior gateway protocol
• EGPWS	enhanced ground proximity warning system
• EGT	exhaust gas temperature
• EHF	extremely high frequency
• EHSI	electronic horizontal situation indicator
• EHV	electro-hydraulic valve
• EIA	Electrical Institute of America
• EIA	Electronic Industries Association
• EICAS	engine indication and crew alert system
• EICASC	EICAS controls
• EIPI	extended initial protocol identifier
• EIRP	earth incident radiated power
• EIRP	effective isotropic radiation power
• EIS	electronic instrument system
• EIS	engine indication system
• EIS	environmental impact statement
• EISA	extended industry standard architecture
• EIU	electronic interface unit
• ELB	electronic logbook
• ELEC	electrical
• ELM	extended length message
• ELMS	electrical load management system
• ELS	electronic library system
• ELT	emergency locator transmitter
• EM	electromagnetic
• EM	element manager
• EMATS	endurance management air traffic system
• EMC	electromagnetic compatibility
• EMC	entertainment multiplexer controller
• EMD	engineering, manufacturing and development

• EMER	emergency
• EMI	electromagnetic interference
• EMS	emergency medical services
• EMS	engine management system
• EMU	expansion module unit
• ENG	engine
• ENOC	engineering network operations center
• EO/IR	electro-optic/infrared
• EOD	end of day
• EO DAS	electro-optical distributed aperture system
• EOLA	European pre-operational data link applications
• EOM	end of message
• EOT	end of text
• EOTS	electro-optical targeting system
• EP	engineering project
• EP	external power
• EPC	engineering project contractor
• EPCS	engine propulsion control system
• EPLD	electronically programmable logic device
• EPLRS	enhanced position location and reporting system
• EPR	engine pressure ratio
• EPROM	erasable programmable ROM
• EPS	electrical power system
• EPV	end-point voltage
• EQTG	electronic qualification test guide
• ERAM	En Route Automation Modernization
• ERAST	environment research aircraft and sensor technology
• ERB	Engineering Review Board
• ERD	end routing domain
• EROPS	extended range operations
• ERP	effective radiation power
• ERP	eye reference point
• ERPDU	error protocol data unit
• ERP PDU	echo replay protocol data unit
• ERQ PDU	echo request protocol data unit
• ERU	engine replay unit
• ES	end system
• ES	extended squitter
• ESA	European Space Agency
• ESAI	electronic standby attitude indicator
• ESAS	electronic situation awareness system
• ESAS	enhanced situational awareness system
• ESD	electrostatic discharge
• ESDS	electrostatic discharge and soldering
• ESH	end system hello
• ESID	engine and system indication display
• ESIS	electronic standby instrument system
• ESIS	engine and system indication system
• ESM	electronic support measures
• ESOIC	enhanced small-outline IC
• ESR	equivalent-series resistance

- **ESS** electronic switching system
- **ESS** environmental stress screening
- **ESSD** electrostatic sensitive devices
- **ESU** environmental sensor unit
- **ETA** estimated time of arrival
- **ETAS** enhanced TRACON/tower automation system
- **ETB** end of block (ASCII/IA5 character)
- **ETB** engineering test bed
- **ETC** estimated time of completion
- **ETD** estimated time of departure
- **ETE** estimated time enroute
- **ETI** elapsed time indicator
- **ETM** elapsed time measurement
- **ETM** electronic training manuals
- **ETMS** engine-trend monitoring services
- **ETMS** enhanced traffic management system
- **ETNO** European Telecommunications Network Operators
- **ETOPS** extended operations
- **ETOPS** extended twin-engine operations
- **ETP** equal time point (halfway there, by time)
- **ETRC** expected taxi ramp clearances
- **ETVS** enhanced terminal voice switch
- **ETX** end of transmission
- **EU** electronic unit
- **EU** European Union
- **EUAFS** enhanced upper air forecast system
- **EUPS** external uninterruptible power supply
- **EURATN** European ATN
- **EURET** European research on transport systems
- **EUROCAE** European Organization for Civil Aviation Equipment (European equivalent of RTCA)

- **EV** earned value
- **EVM** error vector magnitude
- **EVS** enhanced vision system
- **EW** electronic warfare
- **EWIS** electrical wiring interconnection system
- **EZAP** enhanced zonal analysis procedures
- **F** Fahrenheit
- **F/O** first officer
- **F&E** facilities and equipment
- **FA** final approach
- **FAA** Federal Aviation Administration (U.S.)
- **FAA/EURO** FAA/Eurocontrol R&D committee
- **FAATC** FAA Technical Center
- **FAB** functional airspace blocks
- **FAB-T** family of advanced beyond-line-of-sight terminals
- **FAC** flight augmentation computer
- **FADEC** full authority digital engine/electronic control
- **FAF** final approach fix
- **FAI** first article inspection
- **FAMIS** full aircraft management/inertial system



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- **FANS** Future Air Navigation System (ICAO)
- **FAR** federal acquisition regulation
- **FAR** federal aviation regulation
- **FAST** final approach spacing tool
- **FAT** factory acceptance test
- **FBCB2** Force XXI Battle Command Brigade and Below
- **FBL** fly by light
- **FBN** fly by night
- **FBO** fixed-base operator
- **FBW** fly by wire
- **FC** functional capability
- **FC** foot candles
- **FC-AV** Fibre Channel-Audio Video
- **FCA** functional configuration audit
- **FCC** Federal Communications Commission (U.S.)
- **FCC** flight control computer
- **FCDC** flight critical direct current
- **FCM** future concepts for maintenance
- **FCMA** FANS Central Monitoring Agency
- **FCP** flight control panel
- **FCP** flight control processor
- **FCS** flight control system
- **FCS** frame check sequence
- **FCS** Future Combat Systems
- **FCS** future concepts for simulators
- **FD** flight dynamics/director
- **FD** final data
- **FDAF** flight data acquisition function
- **FDAU** flight data acquisitions unit
- **FDB** flight plan data bank
- **FDDI** fiber distribution data interface
- **FDE** fault detection and exclusion
- **FDEP** flight data entry panel
- **FDH** flight deck handset
- **FDI** fault detection and isolation
- **FDIMU** flight data interface management unit
- **FDIO** flight data input/output
- **FDM** flight data monitoring
- **FDM** frequency division multiplex
- **FDMA** frequency division multiple access
- **FDPS** flight data processing system
- **FDR** flight data recorder
- **FDRS** flight data recorder system
- **FDP** flight data processor
- **FEATS** Future European Air Traffic Management System
- **FEC** forward error correction
- **FEP** front-end processor
- **FERNS** Far East Radio Navigation Service
- **FF** fuel flow
- **FFS** full flight simulator
- **FFT** full flight trainer



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- **FGC** flight guidance computer
- **FGS** flight guidance system
- **FHA** functional hazard assessment
- **FIAO** flight inspection area office
- **FIB** forwarding information base
- **FIFO** first in, first out
- **FIM** fault isolation manual
- **FIR** flight information region
- **FIS** flight information services
- **FIS-B** FIS-broadcast
- **FIX** position in space usually on aircraft's flight plan
- **FL** flight level
- **FL** foot lampert
- **FLCH** flight level change
- **FLIR** forward-looking infrared
- **FLTCK** flight check
- **FltWinds** flight and weather information and decision support
- **FLW** forward-looking windshear radar
- **FM** frequency modulation
- **FMA** flight mode annunciator
- **FMAC** Frequency Management Advisory Council
- **FMC** flight management control/computer
- **FMC** FPGA mezzanine card
- **FMC** future concepts for maintenance
- **FMCDU** flight management control and display unit (FMS)
- **FMCF** flight management computer function
- **FMCS** flight management computer system
- **FMCW** frequency-modulated continuous wave
- **FMEA** failure mode and effects analysis
- **FMF** flight management function
- **FMGC** flight management guidance computer
- **FMGEC** flight management guidance envelope computer
- **FMP** flight mode panel
- **FMS** flight management system
- **FMS** full mission simulator
- **FMSG** Frequency Management Study Group (ICAO)
- **FMST** flight management system trainer
- **FMU** fuel metering unit
- **FNPRM** further notice of proposed rulemaking
- **FOC** full operational capability
- **FOC** fuel/oil cooler
- **FOD** foreign object debris
- **FODA** flight operations data assurance
- **FOG** fiber optic gyro
- **FOQA** flight operational quality assurance
- **FOS** fiber optics subcommittee
- **FOV** field of view
- **FOWG** fiber optics working group
- **FPA** flight path angle
- **FPA** focal plane array
- **FPAC** flight path acceleration

• FPC	flight profile comparator
• FPGA	field programmable gate array
• FPM	feet per minute
• FPV	flight path vector
• FQIS	fuel quality indicating system
• FQPU	fuel quality processor unit
• FQR	formal qualification review
• FR	frame relay
• FRA	flap retraction altitude
• FRAD	frame relay access device
• FRCS	flight recorder configuration standard
• FRED	flight recorder electronic documentation
• FRM	fault reporting manual
• FRM	flammability reduction means
• FRM	frame reject mode
• FRMR	frame reject
• FRP	Federal Radionavigation Plan (U.S.)
• FRPA	fixed reception pattern antenna
• FRQ	frequency
• FSAS	flight service automation system
• FSDO	Flight Standards District Office (FAA)
• FSE	FANS systems engineering
• FSE	field service engineer
• FSEMC	Flight Simulator Engineering and Maintenance Conference
• FSEU	flap slat electronics unit
• FSF	Flight Safety Foundation
• FSM	flight schedule monitoring
• FSS	flight service station
• FSWE	FANS software engineering
• FT	functional test
• FT/ADIRS	fault tolerant/air data inertial reference system
• FTE	flight technical error
• FTK	freight tonne kilometers
• FTP	file transfer protocol
• FTPP	fault tolerant power panel
• FTS	Federal Telecommunications System
• FVHF	future VHF system study (Eurocontrol)
• FW	failure warning
• FW	firewall router
• FWC	flight warning computer
• FWD	forward
• FWS	flight warning system
• FY	fiscal year
• G/A	ground/air or ground-to-air
• G/G	ground/ground
• G/S	glide slope
• GA	general aviation
• GA	go-around
• GAAS	gallium arsenide
• GACS	genetic ATN communications service
• GAGAN	geostationary augmentation network



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- **GAIN** galley inserts
- **GAIT** ground-based augmentation and integrity technique
- **GAMA** General Aviation Manufacturers Association
- **GAN** global area network
- **GAO** Government Accountability Office (U.S.)
- **GATM** global air traffic management
- **GAViS** general aviation vision system
- **GBAS** ground-based augmentation system
- **GBST** ground based software tool
- **GBT** ground-based transceiver
- **Gbyte** gigabyte (billion bytes)
- **GCA** ground-controlled approach
- **GCAS** ground collision avoidance system
- **GCB** generator circuit breaker
- **GCC** ground cluster controller (ACARS)
- **GCP** glare-shield control panel
- **GCS** ground clutter suppression
- **GCU** generator control unit
- **GDLP** ground data link processor
- **GDOP** geometric dilution of precision
- **GDP** ground delay program
- **GENOT** general notice
- **GEO** geosynchronous/geostationary earth orbit
- **GEP** ground entry point
- **GES** ground earth station
- **GFE** government furnished equipment
- **GFI** general format identifier
- **GFLOPS** gigaflops
- **GFSK** Gaussian frequency shift keying
- **GG** graphics generator
- **GGR** G/G router
- **GGs** GPS ground station
- **GGTFM** ground-ground traffic flow management
- **GH** ground handling
- **GHz** gigahertz
- **GI** group identifier
- **GIB** GNSS integrity broadcast
- **GIC** GNSS integrity channel
- **GIC** GPS integrity channel
- **GIG** Global Information Grid
- **GIG-BE** GIG-Band Expansion
- **GICB** ground-initiated comm-B
- **GIHO** ground initiated handoff
- **GINS** GPS-inertial navigation systems
- **GIOVE-A** Galileo In-Orbit Validation Experiment-A
- **GIP** government-industry partnership
- **GIS** geodetic information system
- **GIS** graphical information system
- **GIVE** grid inospheric vertical error
- **GJU** Galileo joint undertaking
- **GL** ground location (ACARS/AFEPS)

• GL	group length
• GLC	geographic locator codes
• GLNS	GPS landing and navigation system
• GLONASS	Global Navigation Satellite System (Russia)
• GLS GNSS	landing system
• GLS GPS	landing system
• GLU GPS	landing unit
• GM	guidance material
• GMC	ground movement control
• GMDS	ground mobile data service
• GMR	giant magnetoresistive
• GMR	Ground Mobile Radio
• GMT	Greenwich mean time
• GMTI	ground moving target indicator
• GMU	GPS monitoring unit
• GNA	global network architecture
• GNE	gross navigational error
• GNR	global navigation receiver
• GNSS	global navigation satellite system
• GNSSP	GNSS Panel (ICAO)
• GoMATS	Gulf of Mexico advanced traffic surveillance
• GOPS	giga operations
• GOS	grade of service
• GOSIP	government open systems interconnection profile
• GP	general purpose
• GPADIRS	global positioning, air data, inertial reference system
• GPCBT	guidelines for the production of computer-based training (Eurocontrol)
• GP&C	global positioning and communications
• GPIB	general purpose instrument bus
• GPIRS	global positioning/inertial reference system
• GPP	general purpose processor
• GPPU	general-purpose processing unit
• GPRS	general packet radio services
• GPS	Global Positioning System
• GPSSU	GPS sensor unit
• GPU	ground power unit
• GPWC	ground proximity warning computer
• GPWS	ground proximity warning system
• GR	ground router
• GRAS	ground-based regional augmentation system
• GRIP	gridded binary (National Weather Service model output)
• GRP	geographic reference point
• GS	ground speed/station
• GSC	ground station controller (ACARS)
• GSE	ground support equipment
• GSIF	ground station information frame
• GSM	global systems mobile
• GSMS	ground station management system
• GSP	glare shield panel
• GTC	data link ground terminal computer
• GUI	graphical user interface

- **GVE** graphics vector engine
- **GW** gateway
- **GWDS** graphic weather display system
- **GWS** graphical weather services
- **HAA** high-altitude airship
- **HAD** hardware architecture document
- **HADS** high-altitude platform station
- **HALE** high-altitude, long-endurance
- **HARS** high altitude route system
- **HCI** human-computer interface
- **HCP** heads-up control panel
- **HCS** host computer system
- **HDD** head-down display
- **HDG** heading
- **HDG** SEL heading select
- **HDL** hybrid data link
- **HDLC** high-level data link control
- **HDLC-B** HDLC-balanced
- **HDLMS** hybrid data link management system
- **HDMI** high-definition multimedia interface
- **HDOP** horizontal dilution of precision
- **HDP** hardware development plan
- **HDTV** high-definition television
- **HE** altitude error
- **HEA** head equipment assembly
- **HERF** high-energy radio frequency (or energy radiated fields: dense)
- **HF** high frequency
- **HF** human factors
- **HFACS** human factors analysis and classification system
- **HFDL** high frequency data link
- **HFDM** high-frequency data modem
- **HFDR** high frequency data radio
- **HFI** human factors integration
- **HFNPDU** high frequency network protocol data unit
- **HFS** high frequency system
- **HFSG** human factor study group
- **HFSNL** high frequency subnetwork layer
- **HFWG** human factors working group
- **HGA** high gain antenna
- **HGAS** HGA system
- **HGC** head-up guidance computer
- **HGS** head-up guidance system
- **HGS** HFDL ground station
- **HHLD** heading hold
- **HID** host interface display
- **HIL** horizontal integrity limit
- **HIRF** high intensity radiated field
- **HIT** Heavy Industries Taxila (Pakistan)
- **HITS** highway in the sky
- **HLCS** high lift control system
- **HLE** higher layer entity

- **HLL** high level language
- **HMC** Heavy Mechanical Complex (Pakistan)
- **HMD** helmet-mounted display
- **HMI** hazardously misleading information
- **HMI** human-machine interface
- **HMOS** high density metal oxide semiconductor
- **HMS** handheld manpack and small form fit
- **HMSD** Helmet Mounted Sight & Display
- **HMU** height monitoring unit
- **HO** handoff
- **HOCSR** host/oceanic computer system replacement
- **HOTAS** hands on throttle and stick
- **HOW** hand-over word
- **HP** high pressure
- **HP** holding pattern
- **hPa** hecto Pascal
- **HPA** high power amplifier
- **HPC** high pressure compressor
- **HPR** high power relay
- **HPSOV** high pressure shutoff valve
- **HPT** high pressure turbine
- **HRD** home routing domain
- **HS-DSAD** high speed frame relay service access device
- **HSD** high-speed data
- **HSI** horizontal situation indicator
- **HSIT** hardware and software integration test
- **HSL** heading select
- **HSR** high stability reference
- **HSRP** hot standby routing protocol
- **HTC** highest two-way channel
- **HUD** head-up display
- **HUMS** health and usage monitoring system
- **HVPS** high voltage power supply
- **HWCI** hardware configuration item
- **HX** heat exchanger
- **HYD** hydraulic
- **HYDIM** HYD interface module
- **Hz** Hertz (cycles per second)
- **I/O** input/output
- **IA** interoperability assessment
- **I&TE** integration and test engineering
- **IACSP** international aeronautical communications service provider
- **IAC** integrated avionics computer
- **IAGS** integrated ARINC ground station
- **IANA** Internet assigned number authority
- **IAOA** indicated angle of attack
- **IAOPA** International Council of Aircraft Owners and Pilots Association
- **IAPA** instrument approach procedures automation
- **IAPS** integrated avionics processing system
- **IARP** inverse address resolution protocol
- **IAS** indicated airspeed

- **IAT** investment analysis team
- **IATA** International Air Transport Association
- **IBAC** International Business Aviation Council
- **IC** integrated circuit
- **IC** intercabinet
- **ICAO** International Civil Aviation Organization
- **ICARD** ICAO five-letter name code & route designator system
- **ICAP** improved capability
- **ICC IAPS** card cage
- **ICCAIA** International Coordinating Council of Aerospace Industries Association

- **ICD** interactive design center
- **ICD** interface control document/drawing
- **ICD** installation control drawing
- **ICM** interline communications manual
- **ICMP** Internet control message protocol
- **ICNIA** integrated communications, navigation and identification avionics
- **ICP** integrated core processor
- **ICS** intercommunications system
- **ICS** interface control specification
- **ICSS** integrated communication switching system
- **ICU** instrument comparator unit
- **ICU** integrated control unit
- **ID** identifier/identification
- **IDC** indicator display/control
- **IDC** internal diagnostic capabilities
- **IDD** interface design document
- **IDEN** integrated digital enhanced network
- **IDG** integrated drive generator
- **IDI** initial domain identifier
- **IDIQ** indefinite-delivery/indefinite quantity
- **IDM** Improved Data Modem
- **iDMU** integrated data management unit
- **IDP** initial domain part
- **IDRP** interdomain routing protocol
- **IDS** ice detection system
- **IDS** inter-domain system
- **IDS** integrated display system
- **IDU** interactive display unit
- **IEC** IAPS environmental control module
- **IEC** International Electrotechnical Commission
- **IEC** International Engineering Consortium
- **IED** insertion extraction device
- **IEEE** Institute of Electrical and Electronics Engineers
- **IF** intermediate frequency
- **IFALPA** International Federation of Airline Pilots Association
- **IFASS** integrated system for surveillance and radio transmission
- **IFATCA** International Federation of Air Traffic Controllers' Association
- **IFC** indicated final cost
- **IFDL** intraflight data link
- **IFE** in-flight entertainment



AEROSPACE ACRONYM & ABBREVIATION GUIDE

• IFF	identification, friend or foe
• IFIS	Integrated Flight Information System
• IFPS	integrated initial flight plan processing system
• IFR	instrument flight rules
• IFRB	International Frequency Registration Board
• IGES	initial graphic exchange specification
• IGES	intermediate ground earth station
• IGIA	Interagency Group on International Aviation
• IGV	inlet guide vane
• IHAS	integrated hazard avoidance system
• ILA	International Law Association
• ILM	independent landing monitor
• ILS	instrument landing system
• ILSP	integrated logistics support plan
• IMA	integrated modular avionics
• IMC	instrument meteorological conditions
• IMG	implementation manager group
• IMU	inertial measurement unit
• INFO	information frame
• INAV	interactive navigation
• inHg	inches of mercury
• INMARSAT	International Maritime Satellite Organization
• INMS	integrated network management system
• INS	inertial navigation system
• INTELSAT	International Telecommunications Satellite Organization
• InterNIC	Internet Network Information Center
• Interop	interoperability
• IOC	initial operating capability
• ION	Institute of Navigation
• IOR	Indian Ocean region
• IOS	Internet operating system
• IOT&E	initial operational test and evaluation
• IP	intellectual property
• IP	Internet protocol
• IPACG	Informal Pacific ATC Coordination Group
• IPC	intermediate pressure compressor
• IPC	interprocess communication
• IPD	industrial products division
• IPI	initial protocol identifier
• IPT	integrated product team
• IPL	illustrated parts list
• IPR	Internet protocol router
• IPS	internet service providers
• IPT	integrated product team
• IPT	integrated project team
• IPT	intermediate pressure turbine
• IR	infrared
• IRAC	Interdepartmental Radio Advisory Committee
• IR&D	investment research and development
• IRIG-B	inter-range instrumentation group-time code format B
• IRIS	Iris Recognition Immigration System

• IRP	integrated refuel panel
• IRR	internal rate of return
• IRS	inertial reference system
• IRS	interface requirements specification
• IRU	inertial reference unit
• IS	intermediate system
• ISA	industry standard architecture
• ISA	Instrument Society of America
• ISC	integrated systems controller
• ISDN	integrated services digital network
• ISDOS	information system design and optimization system
• ISDU	inertial system display unit
• ISH	intermediate system hello
• ISIS	integrated sensor is structure
• ISLN	isolation
• ISMS	in-flight safety monitoring system
• ISO	International Standards Organization
• ISO	PA ISO protocol architecture
• ISP	integrated switching panel
• ISP	internet service providers
• ISR	Intelligence, Surveillance and Reconnaissance
• ISR	interrupt service routine
• ISS	integrated surveillance system
• ISSN	intermediate system sub-network
• ISSS	initial sector suite system/subsystem
• ISU	initial signal unit
• ITAR	International Traffic in Arms Regulations
• ITC	in-trail climb
• ITD	in-trail descent
• ITM	IT management
• ITS	integrated test system
• ITSE	integrated test and support environment
• ITU	International Telecommunications Union
• ITWS	integrated terminal weather system
• IUPS	internal uninterruptible power supply
• IV	isolation valve
• IVSI	instantaneous vertical speed indicator
• J-UCAS	joint unmanned combat air systems
• J/S	jammer-to-signal ratio
• JAA	Joint Aviation Authority
• JCA	Joint Cargo Aircraft
• JAR	joint airworthiness requirement
• JAR-OPS	Joint Aviation Regulations Operations
• JAR-AWO	JAR-all weather operations
• JATO	jet assisted takeoff
• JCAB	Japanese Civil Aviation Bureau
• JCAT	Joint Combat Assessment Team
• JFET	junction field effect transistor
• JFEX	Joint Expeditionary Force Experiment
• JFS	Joint Strike Fighter
• JFX	Joint Forces Exercise

• JHMCS	joint helmet-mounted cueing systems
• JPALS	Joint Precision Approach and Landing System
• JPDO	Joint Planning Development Office (U.S.)
• JPEO	Joint Program Executive Office Joint Tactical Radio System
• JPL	Jet Propulsion Laboratory
• JPO	Joint Planning Office
• JPS	journal processing system
• JRANS	Japanese regional air navigation system
• JRC	Joint Resource Council
• JSTeF	JTRS Science and Technology Forum
• JSAT	joint system acceptance test
• JTAG	Joint Test Action Group
• JTIDS	joint tactical information distribution system
• JTRS	joint tactical radio system
• JV	joint venture
• JVMF	joint variable message format
• kA	kiloamperes
• KARF	Kamra Aeronautical Rebuild Factory (Pakistan)
• KARI	Korea Aerospace Research Institute
• KB	kilobytes (thousand bytes)
• KBITS	kilobits
• Kbps	kilobits per second
• Kgls	kinematic GPS landing system
• KHz	kilohertz (1000 cycles per second)
• KPS	KB per second
• KTS	knots
• KVA	kilovolt-ampere
• KW	kilowatt
• L1	L-band carrier (1575.42 MHz)
• L2	L-band carrier (1227.6 MHz)
• LAAS	local area augmentation system
• LACAC	Latin American Civil Aviation Commission
• LADAR	laser radar
• LADGPS	local area differential GPS
• LAGPS	local area global positioning system
• LAHSO	land and hold short operation
• LAIRCM	large aircraft infrared countermeasures
• LAM	levels of avionics maintenance
• LAN	local area network
• LAPB	link access protocol, balanced
• LASER	light amplification by simulated emission of radiation
• LAT	latitude
• LBA	Luftfahrt-Bundesamt (Germany)
• LCA	layered component architecture
• LCC	leadless chip carrier
• LCC	life cycle cost
• LCC	low-cost carrier
• LCD	liquid crystal display
• LCF	link control field
• LCI	logical channel identifier
• LCN	local communications network

• LCP	lighting control panel
• LCR	link connection refusal
• LDA	landing directional aid
• LDA	laterally displaced approach
• LDCC	leaded chip carrier
• LDCS	local departure control system
• LDGPS	local area differential global positioning satellite
• LDOC	long distance operational control
• LDRCL	low density radio-communications link
• LDU	lamp driver unit
• LE	link establish
• LED	light-emitting diode
• LEO	low earth orbiting
• LF	low frequency
• LFE	lead-free electronics
• LFR	LF radio range
• LGA	low gain antenna
• LHP	lighting HIRF protection
• LIDAR	light detection and ranging
• LIMNATRAN	limited North Atlantic regional air navigation
• LINCS	long-haul/leased interfacility national airspace communications system
• LISN	line impedance stabilization network
• LLC	logical link control
• LLWAS	low-level wind shear alert system
• LME	link management entity
• LMI	logical management interface
• LMM	locator middle marker
• LMT	local mean time
• LNA	low-noise amplifier
• LNAV	lateral navigation
• LOB	left outboard
• LOC	localizer/location
• LOM	locator outer marker
• LON	longitude
• LOPA	layout of passenger accommodations
• LORAN	long-range air navigation
• LOS	line of sight
• LPB	loss prevention bulletin
• LPC	low pressure compressor
• LPDU	link protocol data unit
• LPT	low pressure turbine
• LPV	localizer performance with vertical guidance
• LRC	long-range cruise
• LRM	line replaceable module
• LRR	long-range radar
• LRU	line replaceable unit
• LSAS	longitudinal stability augmentation system
• LSB	least significant bit
• LSB	lower sideband
• LSD	least significant digit
• LS-DSAD	low speed frame relay service access device



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- **LS-FRAD** low speed frame relay access device
- **LSI** large scale integration
- **LSK** line select key
- **LSN** local subnetwork
- **LSP** link state PDU
- **LSS** lightning sensor system
- **LTA** lighter-than-air
- **LTD** laser target designator
- **LTC** lowest two-way channel
- **LV** lower sideband voice
- **LVC** low visibility conditions
- **LVL** level
- **LVDT** linear voltage differential transducer
- **LVP** low visibility procedure
- **LVPS** low voltage power supply
- **LVT** low volume terminal
- **M** mach number
- **M2K** Mobility 2000 (U.S. Air Force)
- **M-SNDCF** mobile-subnetwork dependent convergence function
- **M-TADS** Modernized Target Acquisition and Designation Sight
- **M/ASI** mach/airspeed indicator
- **M&S** merging & spacing
- **MA** message assurance
- **MAA** maximum authorized IFR altitude
- **MAB** Military ATM Board (Europe)
- **MAC** medium access controller
- **MACC** military area control center
- **MACS** multiple access communication system
- **MADARS** malfunction detection, analysis and recording system
- **MAGIC** manager of air-ground interface communications
- **MAHWP** missed approach holding waypoint
- **MALDT** mean administrative and logistics delay time
- **MALE** medium-altitude, long-endurance
- **MAN** metropolitan area network
- **MANPADS** man portable air defense system
- **MAP** missed alert parameter
- **MAP** missed approach
- **MAP** missed approach procedure
- **MAP** monitor alert parameter
- **MAPt** missed approach point
- **MAR** mobile access router
- **MARSA** military assumes responsibility for separation
- **MASPS** minimum aviation system performance standard
- **MAST** multi-aircraft simulation terminal
- **MAT** maintenance access terminal
- **MAV** micro air vehicle
- **MAWP** missed approached waypoint
- **MAX** maximum
- **mb** millibars
- **MB** marker beacon
- **MBE** multiple bit error



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- **MBER** minimum bit error rate
- **MBPS** megabytes per second
- **MC** master change
- **MCA** minimum crossing altitude
- **MCAP** Manned/Unmanned Common Architecture Processor
- **MCB** microwave circuit board
- **MCC** maintenance control computer
- **MCDP** maintenance control display panel
- **MCDU** multifunctional control display unit
- **MCI** mode C intruder
- **MCN** manufacturing control number
- **MCOS** multi-computing operating system
- **MCP** maintenance control panel
- **MCP** mode control panel
- **MCT** max continuous thrust
- **MCU** modular concept unit
- **MCU** multifunction concept unit
- **MDA** minimum descent altitude
- **MDA** Missile Defense Agency
- **MDAH** minimum descent altitude/height
- **MDAU** maintenance data acquisition unit
- **MDC** maintenance diagnostic computer
- **MDCRS** Meteorological Data Collection and Reporting Service
- **MDD** mission data debrief
- **MDL** multipurpose data link
- **MDR** mode digital radio
- **MDS** minimum discernible signal
- **MDT** maintenance display terminal
- **MDT** mean downtime
- **MEA** minimum en route altitude
- **MEC** main equipment center
- **MEL** minimum equipment list
- **MEO** medium earth orbit
- **MEOT** multiple-expert opinion team
- **MES** main engine start
- **MET** meteorology
- **METAR** meteorological aviation routine weather report
- **MF** medium frequency
- **MFCP** multifunction control display panel
- **MFD** multifunction display
- **MFDS** multifunction display system
- **MFDU** multifunction display unit
- **MFDDUA** miscellaneous flight data acquisition unit
- **MFIT** mean fault isolation time
- **MFM** maintenance fault memory
- **MGSCU** main gear steering control unit
- **MGR** manager
- **MHD** magnetic hard drive
- **MHD** multi-hazard display
- **MHRS** magnetic heading reference system
- **MHS** message handling service



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- **MHz** megahertz
- **MIB** management information base
- **MIC** microphone
- **MicroEARTS** micro en route automated radar tracking system
- **MIDS** multifunction information distribution system
- **MIDS-J** Multifunctional Information Distribution System-JTRS
- **MIDS-LVT** Multifunctional Information Distribution System Low Volume Terminal

- **MIDU** multi-purpose interactive display unit
- **MILAERO** military/aeronautical
- **MILS** multiple independent levels of security
- **MILSPEC** military specification
- **MIL-STD** military standard
- **MIMO** multi-input/multi-output
- **MIN** minimum/minute
- **MIPS** management interface protocol specification
- **MIPS** million instructions per second
- **MKR** marker
- **MLA** maneuver limited altitude
- **MLM** mid-level management
- **MLS** microwave landing system
- **MLW** maximum landing weight
- **MM** mass memory
- **MM** middle marker (glideslope)
- **MMI** man-machine interface
- **MMIC** monolithic microwave integrated circuit
- **MMR** multimode receiver
- **MMS** maintenance management system
- **MMSI** miniature munitions system interface
- **MMU** memory management unit
- **MMW** millimeter wave
- **MNCID** management network category interaction diagram
- **MNPS** minimum navigation performance specification
- **MNS** managed network service
- **MO** managed object
- **MO** magneto-optical
- **MOA** memorandum of agreement
- **MOA** military operation area
- **MOCA** minimum obstacle clearance altitude
- **MOD** magneto-optical drive
- **MOD** modification
- **MODEM** modulator/demodulator
- **MOPR** minimum operational performance requirements
- **MOPS** minimum operational performance standards
- **MOQA** maintenance operations quality assurance
- **MORA** minimum off-route altitude
- **MOS** metal oxide semiconductor
- **MOSA** modular open systems approach
- **MOU** memorandum of understanding
- **MOV** metal oxide varistor
- **MP-CDL** Multi-Platform-Common Data Link

- **MPAR** multipurpose airport radar
- **MPEG** Moving Picture Expert Group
- **MPCU** multiport protocol converter unit
- **MPDS** mobile packet data service
- **MPEL** maximum permissible exposure level
- **MPM** microwave power module
- **MPP** materials, processes and parts
- **MPS** maintenance processor system/subsystem
- **MRA** minimum reception altitude
- **MRF** Mirage Rebuild Factory (Pakistan)
- **MRR** manufacturing revision request
- **MRT** mean repair time
- **MRT** multi-remote terminal
- **Ms** millisecond
- **MSB** most significant bit
- **MSC** Member Services Center
- **MSC** message sequence chart
- **MSCP** mobile satellite service provider
- **MSD** mass storage device
- **MSG** message
- **MSI** medium scale integration
- **MSK** minimum shift keying
- **MSL** mean sea level
- **MSP** Mode S specific protocol
- **MSSR** monopulse secondary surveillance radar
- **MSSS** Mode S specific services
- **MSU** mode select unit
- **MT** minimum time
- **MTA** message transfer agent
- **MTBF** mean time between failure
- **MTBO** mean time between outages
- **MTBR** mean time between removal/repairs
- **MTBUR** mean time between unscheduled removal
- **MTBUR** mean time between unit replacements
- **MTC** maintenance terminal cabinet
- **MTD** maintenance terminal display
- **MTF** maintenance terminal function
- **MTI** moving target indicator
- **MTM** module test and maintenance
- **MTMBIU** MTM bus interface unit
- **MTR** military training route
- **MTSAT** Multifunction Transport Satellite
- **MTTDA** mean time to dispatch alert
- **MTTF** mean time to failure
- **MTTM** mean time to maintenance
- **MTTMA** mean time to maintenance alert
- **MTTR** mean time to repair
- **MTTRS** mean time to restore service
- **MTTUR** mean time to unscheduled removal
- **MU** management unit
- **MUE** modernized user equipment



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- **MUOS** Mobile User Objective System
- **MUS** minimum use specification
- **MUSE** multi-user system environment
- **MUX** multiplexer
- **mV** millivolts
- **MWARA** major world air route area
- **MWP** meteorological weather processor
- **MWS** missile warning system
- **N1** fan speed
- **N2** intermediate compressor speed
- **N3** high-speed compressor
- **N-UCAS** Navy-Unmanned Aerial Combat System
- **NACp** navigation accuracy category for velocity
- **NACA** National Advisory Committee for Aeronautics (U.S.)
- **NCAR** National Center for Atmospheric Research
- **NADIN** national airspace data interchange network
- **NADIN II** NADIN packet switch
- **NAIS** national airspace integrated logistics support
- **NAK** negative acknowledgment
- **NAOMS** National Aviation Operational Monitoring Service
- **NAPRS** national airspace performance reporting system
- **NAS** national aircraft standard
- **NAS** National Airspace System (FAA)
- **NASA** National Aeronautics and Space Administration
- **NASPALS** National Airspace System Precision Approach and Landing System (FAA)

- **NAT** North Atlantic region
- **NAT** North Atlantic tracks
- **NATA** National Air Transport Association
- **NATCA** National Air Traffic Controllers Association (U.S.)
- **NATS** National Air Traffic Services (U.K.)
- **NATS** North Atlantic track system
- **NAT TFG** NAT Traffic Forecasting Group
- **NAV** navigation
- **NAVAID** navigational aid
- **NAVAIR** Naval Air Systems Command
- **NAVSAT** navigation satellite
- **NAVSEA** Naval Sea Systems Command
- **NBAA** National Business Aviation Association
- **NC** numerical control
- **NC3A** NATO Consultation, Command and Control Agency
- **NCATT** National Center for Aircraft Technician Training
- **NCD** no computed data
- **NCES** Net-Centric Enterprise Services
- **NCI** not currently implemented
- **NCO** Network Centric Operations
- **NCOIC** Network Centric Operations Industry Consortium
- **NCOW** net-centric operations and warfare
- **NCP NAS** change proposal
- **NCS** network control system
- **NCS** network coordination station

- **ND** navigation display
- **NDB** navigation database
- **NDB** non directional radio beacon
- **NDI** nondestructive inspection
- **NDI** non developmental item
- **NE** network element
- **NEAN** North European ADS Network
- **NEAP** North European CNS/ATM application project
- **NEC** Network-Enabled Capability
- **NED** Network Enterprise Domain
- **NELS** Northwest European Loran System
- **NEMA** National Electrical Manufacturers Association (U.S.)
- **NESACC** North, East & Southern area control centers for China
- **NESDIS** national environmental satellite data and information service
- **NET** network entity title
- **NEXCOM** Next Generation Air/Ground Communications System
- **NextGen** Next Generation Air Transportation System (U.S.)
- **NEXRAD** next-generation weather radar
- **NFF** no fault found
- **NFS** network file server
- **NIAC** NAS Information Architecture Committee (FAA)
- **NIC** navigation integrity category
- **NIC** network interface controller
- **NIC** new installation concept
- **NICE** NAT implementation management group cost effectiveness
- **NICE** network integrated cabin equipment
- **NIH** not invented here
- **NIMA** National Imagery and Mapping Agency (U.S.)
- **NIMS** NAS infrastructure management system
- **NIR** network interface router
- **NIRV** network interface router VDL
- **NIS** not in service
- **NISC** NAS information security coordination
- **NIST** National Institute of Standards and Technology
- **NIU** North American ISDN User Forum (NIST)
- **NIP** network interface processor
- **NL** network layer
- **NLM** network loadable module
- **NLP** network layer protocol
- **NLR** Netherlands National Aerospace Laboratory
- **NM** nautical mile
- **NM** network management
- **NMC** National Meteorological Center
- **NMCCD** network management category class diagram
- **NMCD** network management category diagram
- **NMF** network management function
- **NMIRS** network management interface requirements specification
- **NML** NATO Maturity Levels
- **NMP** network management plan
- **NMS** network management system
- **NMS** navigation management system



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• NNEC	NATO NEC
• NEW	NextGen Network Enabled Weather (FAA)
• NOAA	National Oceanic and Atmospheric Administration (U.S.)
• NOC	network operations center
• NOC	note of change
• NOCAR	North Atlantic oceanic concept and requirements
• NOCC	National Operational Control Center
• NO COM	no communication
• NOI	notice of inquiry (FCC)
• NOPAC	North Pacific
• NORAD	North American Aerospace Defense Command
• NOTAM	notice to airmen
• NOTUS	notice to users (ARINC)
• NPA	non-precision approach
• NPDU	network protocol data unit
• NPIAS	national plan for integrated airport systems
• NPR	national performance review
• NPRM	notice of proposed rule making
• NR	network router
• NRP	national route program
• NRD	network routing domain
• NRZ	non-return to zero
• NS	network service
• NSA	National Security Agency (U.S.)
• NSAP	network service access point
• NSC	network service center
• NSDU	network service data unit
• NSEL	NSAP selection
• NSEU	neutron single event upset
• NSSL	National Severe Storms Laboratory
• NTDA	NEXRAD Turbulence Detection Algorithm
• NTIA	National Telecommunications and Information Administration (U.S.)
• NTF	no trouble found
• NTSB	National Transportation Safety Board (U.S.)
• NTST	National Television Systems Committee
• NUI	network user identification
• NUP	NEAN update program
• NVCD	night vision cueing and display
• NVIS	night vision imaging system
• NVM	non-volatile memory
• NVRAM	non-volatile RAM
• NVS	National Airspace System Voice Switch (FAA)
• NWS	National Weather Service (U.S.)
• O-QAR	optical quick access recorder
• O&M	operations and maintenance
• O&S	operating and support
• OAC	oceanic area control center
• OAS	oceanic automation system
• OASIS	operational area satellite information system
• OASIS	operational and supportability implementation system
• OASIS	organic airborne and surface influence sweep

- **OASYS** obstacle avoidance system
- **OAT** operational acceptance test
- **OAT** outside air temperature
- **OATS** orbit and attitude tracking system
- **OBP** operational build plan
- **OBS** omnibearing selector
- **OBS** optical bypass switch
- **OCA** oceanic control area
- **OCC** occasionally connected computing
- **OCC** operations control center
- **OCD** oceanic clearance delivery
- **OCIG** Oceanic Communications Improvement Group
- **OCP** oceanic clearance processor
- **OCTAS** obstacle cable and terrain avoidance system
- **ODA** open document architecture
- **ODAPS** oceanic display and planning system
- **ODIAC** operational requirements for ATM air/ground data communications (Eurocontrol)

- **ODID** operational display and input development
- **ODL** oceanic data link
- **ODL** optical data link
- **OEM** original equipment manufacturer
- **OEP** Operational Evolution Partnership (FAA)
- **OES** Office of Emergency Services
- **OEU** overhead electronics unit
- **OFDM** orthogonal frequency division multiplexing
- **OFDPS** oceanic flight data processing system
- **OFF** operational flight program
- **OGE** operational ground equipment
- **OHA** operational hazard assessment
- **OHSC** overhead stowage compartments
- **OHU** overhead unit (HUD)
- **OID** object identifier
- **OIG** Office of Inspector General
- **OIT** onboard information terminal
- **OJT** on-the-job training
- **OLAN** onboard local area network
- **OLDI** on-line data interchange
- **OLED** organic LED
- **OM** outer marker
- **OMB** Office of Management and Budget (U.S.)
- **OMS** onboard maintenance system
- **OMT** object modeling technique
- **OMT** onboard maintenance terminal
- **ONR** Office of Naval Research (U.S.)
- **OOA** object-oriented analysis
- **OOD** object-oriented design
- **OODA** observe, orient, decide and act
- **OOOI** out/off/on/in
- **OPA** operational performance assessment
- **OPAS** overhead panel ARINC 629 system

• OPBC	overhead panel bus controller
• OPD	Optimized Profile Descent
• OPS	operations
• OPS	OPS per second
• OPSPECS	OPS specifications
• OPU	overspeed protection unit
• OR	operational requirements
• ORB	object request broker
• ORD	operational requirements document
• ORD	operations readiness demonstration
• OS	open service
• OS	operating system
• OSA	operational safety assessment
• OSCAR	Orbiting Satellite Carrying Amateur Radio
• OSDS	oceanic systems development support
• OSE	open systems environment
• OSED	operational service and environment definition
• OSEIC	operational service and environment information capture
• OSI	open systems interface/interconnection
• OSIE	OSI environment
• OSI-RM	OSI-reference model
• OSJTF	Open Systems Joint Task Force (U.S.)
• OSPF	open shortest path first
• OSR	order status report
• OSRVT	One System Remote Video Terminal
• OTA	Office of Technology Assessment (U.S.)
• OT&E	operational test and evaluation
• OTFP	operational traffic flow planning
• OTH	over the horizon
• OTP	Office of Telecommunications Policy (U.S.)
• OTS	off the shelf
• OVHT	overheat
• P2FEP	PETAL-II front-end processor
• P3I	preplanned product improvements
• P-Code	GPS precision code
• P-DME	precision DME
• P-RNAV	precision area navigation
• P/F	poll/final
• P/RST	press to reset
• PA	passenger address
• PA	power amplifier
• PABX	private automatic branch exchange
• PAC	path attenuation compensation
• PAC	Pakistan Aeronautical Complex
• PACB	Pakistan Aeronautical Complex Board
• PACIS	passenger address and communication interphone system
• PAD	packet assembler-disassembler
• PAL	programmable array logic
• PAM	pulse amplitude modulation
• PAMRI	peripheral adapter module replacement item
• PANS-OPS	procedures for air navigation services-aircraft operations

- **PAPD** precise and accurate positioning device
- **PAR** precision approach radar
- **PAT** process action team
- **PATS** portable avionics test solution
- **PAU** passenger address unit
- **PAVES** programmable audio video entertainment system
- **PAWES** performance assessment and workload evaluation
- **PAX** passenger
- **PBD** place bearing/distance (waypoint)
- **PBID** post burn-in data
- **PBN** performance-based navigation
- **PBX** public/private branch exchange
- **PC** personal computer
- **PC** printed circuit
- **PCA** physical configuration audit
- **PCB** printed circuit board
- **PCC** pilot controller communication
- **PCD** panoramic cockpit display
- **PCI** peripheral component interface (32-bit local bus)
- **PCI** protocol control information
- **PCM** pulse code modulation
- **PCMIA** personal computer memory card interface association
- **PCO** protocol converter unit
- **PCU** passenger control unit
- **PCU** personal control unit
- **PCU** power control unit
- **PCU** program coordination office
- **PD** profile descent
- **PDA** personal digital assistant
- **PDB** performance data base
- **PDC** pre-departure clearance
- **PDCU** panel data concentrator unit
- **PDD** package design document
- **PDDI** product definition data interface
- **PDF** primary display function
- **PDL** program design language
- **PDM** predefined controller text message
- **PDM** project development manager
- **PDN** public data network
- **PDOP** position dilution of precision
- **PDR** preliminary design review
- **PDS** persistent data storage
- **PDS** primary display system
- **PDU** protocol data unit
- **PE** precision engagement
- **PECT** peer entity contact table
- **PED** portable electronic device
- **PEO C3T** Army Program Executive Office Command, Control and Communications Tactical
- **PER** packed encoding rule
- **PERT** program evaluation and review technique

• PETAL	preliminary Eurcontrol test of air/ground data link
• PF	pilot flying
• PF	power factor
• pFAST	passive final approach spacing tool
• PFC	primary flight computer
• PFCS	primary flight control system
• PFD	primary flight display
• PHARE	Program for Harmonized ATM Research in Europe (Eurocontrol)
• PHI	Petroleum Helicopters Inc.
• PHY	physical
• PI	parameter identifier
• PICMG	PCI Industrial Computer Manufacturers Group
• PIA	performance, integrity and availability
• PICS	protocol implementation conformance statements
• PID	parameter identifier
• PID	pilot information display
• PID	primitive identifier
• PID	process ID
• PIM	programmable infosec module
• PIP	product improvement program
• PIREP	pilot report
• PL	parameter length
• PL	project leader
• PLA	power lever angle
• PLB	personal locator beacon
• PLBT	personal locator beacon and voice transceiver
• PM	program manager
• PM	phase modulation
• PMA	parts manufacturer approval
• PMA	parts manufacturer authority
• PMA	permanent magnet alternator
• PMAT	portable maintenance access terminal
• PMC	provisional memory cover
• PMC	PCI mezzanine card
• PMG	permanent magnet generator
• PMOS	p-type metal oxide semiconductor
• PMP	project/program management plan
• PMS	performance management system
• PN	pseudo noise
• PNCS	performance navigation computer system
• PND	primary navigation display
• PNF	pilot not flying
• PNR	point of no return
• PO	part of
• POA	plain old ACARS
• POC	point of contact
• POC	proof of concept
• POCC	project operations control center
• POH	pilot's operating handbook
• POM	program objective memorandum
• POP	point of presence



AEROSPACE ACRONYM & ABBREVIATION GUIDE

- **POR** Pacific Ocean region
- **POSIX** portable operating system interface
- **POTS** plain old telephone system/service
- **PPA** production preparation agreement
- **PPDU** physical layer protocol data unit
- **PPI** planned position indicator
- **PPL** processor-to-processor link
- **PPM** pages per minute
- **PPM** parts per million
- **PPM** pulse position modulation
- **PPP** point-to-point protocol
- **PPS** packets per second
- **PPS** precise positioning service
- **PPS** pulse per second
- **PRAIM** predictive RAIM
- **PRF** pulse repetition frequency
- **PRI** primary rate interface
- **PRM** precision runway monitor
- **PRM-A** Precision Runway Monitor-Alternate (FAA)
- **PROM** programmable ROM
- **PRN** pseudo random noise
- **PRS** public regulated service
- **PRSOV** pressure regulating and shutoff valve
- **PS** power supply
- **PSA** PS assembly
- **PSD** port sharing device
- **PSDN** packet switched data network
- **PSE** packet-switching exchange
- **PSEU** proximity sensor electronic unit
- **PSL** projected service life
- **PSL/PSA** problem statement language/problem statement analyzer
- **PSM** power supply modules
- **PSN** packet switching network
- **PSPL** preferred standard parts list
- **PSR** primary surveillance radar
- **PSS** proximity sensor system
- **PSSA** preliminary system safety assessment
- **PSTN** public switched telephone network
- **PSU** passenger service unit
- **PT** plane talk
- **PTAN** precision terrain aided navigation
- **PTD** performance test domain
- **PTI** packet type identifier
- **PTM** peripheral transition module (I/O interface for SBC)
- **PTR** production test requirements
- **PTS** problem tracking system
- **PTSD** production test specification document
- **PTT** push to talk
- **PTU** power transfer unit
- **PV** parameter value
- **PV** photovoltaic

• PVC	permanent virtual circuit
• PVD	plan view display
• PVT	position, velocity, time
• PWM	pulse-width modulation
• PWR	Power
• PXI PCI	extensions for instrumentation
• QA	quality assurance
• QAP	QA plan
• QAR	quick access recorder
• QDR	quality defect report
• QDR	quality deficiency report
• QEC	quadrantal error corrector
• QFE	Q code, field elevation pressure
• QM	quality management
• QMP	QM plan
• QMS	QM system
• QNH	sea level pressure
• QNT	quint networking technology
• QOP	quality operating procedures
• QPL	qualified product list
• QRH	quick reference handbook
• QOS	quality of service
• QP	quality procedure
• QT	qualification test
• QVL	qualified vendor list
• R-CDL	Radar Common Data Link
• R/W	read/write
• R&D	research and development
• R&M	reliability and maintainability
• RA	radio altitude
• RA	resolution advisories
• RA	routing area
• RAA	Regional Airline Association
• RAAF	Royal Australian Air Force
• RAAS	runway awareness and advisory system
• RAC-GAT	Russian/American Coordinating Group for Air Traffic Control
• RAC	runway analysis chart
• RAD	rapid application development
• RAE	Royal Aircraft Establishment (Farnborough)
• RAF	requirements analysis folder
• RAF	Royal Air Force (U.K.)
• RAI	radio altimeter indicator
• RAID	redundant arrays of independent disks
• RAIM	receiver autonomous integrity monitoring
• RALA	request automatic line adapter
• RALT	radar altimeter
• RAM	random access memory
• RAMICS	rapid airborne mine clearance system
• RAP	required automation performance
• RAS	route area statistics (IATA)
• RATMP	required air traffic management performance

- **RBT** reference business trajectory
- **RCAG** remote control air-to-ground
- **RCAT** Reconfigurable Cockpit and Avionics Testbed
- **RCD** radar cable detection
- **RCE** radio control equipment
- **RCF** required communications performance
- **RCL** radio communications link
- **RCO** remote communications outlet
- **RCP** radio control panel
- **RCR** routing and circuit restoral
- **RCSU** remote control and status unit
- **RCU** radio control unit
- **RCU** remote control unit
- **RC&W** rack connectors and wiring
- **RD** (taxi) route deviation
- **RD** routing domain
- **RDARA** regional domestic air route area
- **RDC** routing domain confederation
- **RDDMI** radio digital distance magnetic indicator
- **RDF** RD format
- **RDI** radio direction indicator
- **RDI** RD identifier
- **RDP** radar data processing
- **RDR** radar
- **RDSS** radio determination satellite system
- **RDT&E** research, development, test and evaluation
- **REA** radar electronics assembly
- **RE&D** research, engineering and development
- **REDAC** Research, Engineering and Development Advisory Committee (FAA)
- **REP** required environmental performance
- **RERB** reliability enhancement and re-engining program
- **REQ** request
- **RER** residual error rate
- **REVS** radar-enhanced vision system
- **RF** radio frequency
- **RFC** request for comments
- **RFG** requirement focus group
- **RFI** radio frequency interference
- **RFI** request for information
- **RFID** radio frequency identification
- **RFO** request for offer
- **RFP** request for proposal
- **RFQ** request for quote
- **RFU** radio frequency unit
- **RGB** red green blue
- **RGCSF** Review of the General Concept of Separation Panel (ICAO)
- **RGS** relay ground station
- **RH** radio handler
- **RHF** ridiculously high frequency
- **RHO** response on handoff
- **RHSM** reduced horizontal separation minima

- **RI** runway incursion
- **RIB** routing information base
- **RIN** Royal Institute of Navigation (U.K.)
- **RIP** routing information protocol
- **RISC** reduced instruction set computer
- **RLE** response on link establishment
- **RLG** ring laser gyro
- **RLS** reliable link service
- **RM** regional manager
- **RM&A** reliability, maintainability and availability
- **RMCDE** radar message conversion and distribution equipment
- **RMI** radio magnetic indicator
- **RMMS** remote maintenance monitoring system
- **RMP** risk management plan
- **RMS** risk management system
- **RMS** root mean square
- **RNAV** area navigation
- **RNP** required navigation performance
- **RNR** receive not ready
- **RO** radio operator
- **ROA** recognized operating agency
- **ROC** rate of climb
- **ROC** rest of operational capability
- **ROD** rate of descent
- **ROIP** radio over Internet protocol
- **ROM** read only memory
- **ROM** rough order of magnitude
- **RON** remain over night
- **RP** routing protocol
- **RPDE** rapid preliminary development effort
- **RPG** rocket-propelled grenade
- **RPK** revenue passenger kilometers
- **RPM** revolutions per minute
- **RPOA** Recognized Private Operation Agency (CCITT)
- **RR** receive ready
- **RRI** router reference implementation
- **RSDP** reliable sequencing delivery-confirmation protocol
- **RSN** regional sub-network
- **RSP** required surveillance performance
- **RSSI** received signal strength indicator
- **RT** radio telecommunication
- **RTA** required time of arrival
- **RTB** rocket-towed barrier
- **RTC** red time clock
- **RTCA** Radio Technical Commission for Aeronautics (U.S.)
- **RTCM** Radio Technical Commission for Maritime Services
- **RTD** resistance temperature detector
- **RTK** real-time kinematic
- **RTM** radio transmission module
- **RTO** rejected takeoff
- **RTOS** real time operating system

• RTR	remote transmitter receiver site
• RTS	request to send
• RTSP	required total system performance
• RTTI	run-time type identification
• RTU	radio tuning unit
• RU	rack unit (1 inch)
• RVP	required vision performance
• RVR	runway visual range
• RVSM	reduced vertical separation minimum
• RWM	R/W memory
• RWP	required weather performance
• RWR	radar warning receiver
• RX	receiver
• RZ	return to zero
• S0	Segment 0
• S1	Segment 1
• S&A	sense-and-avoid
• SA	selective availability
• SA	situational awareness
• SAAAR	special aircraft and aircrew authorization required
• SAASM	selective availability/anti-spoofing module
• SAASM/EGI	SAASM/embedded GPS inertial system
• SAD	software architecture document
• SADT	software architecture design team
• SAE	Society of Automotive Engineers
• SAFIR	systems aid for integration and fault reporting
• SAI	system architecture and interfaces
• SAI	System Architecture and Interfaces Subcommittee (AEEC)
• SAM	slot allocation management
• SAM	South American region
• SAMM	surface area movement management
• SAMPE	Society for the Advancement of Materials and Process Equipment
• SAP	service access points
• SAR	search and rescue
• SAR	synthetic aperture radar
• SARPS	standards and recommended practices (ICAO)
• SAS	stability augmentation system
• SAS	station address set
• SASS	surveillance analysis support system (Eurocontrol)
• SAT	static air temperature
• SAT	systems and acceptance testing
• SATCOM	satellite communications
• SATNAV	satellite navigation
• SB	service bulletin
• SBAS	satellite-based augmentation system
• SBC	single board computer
• SBD	schematic block diagram
• SBD	short data burst
• SC	special committee (RTCA)
• SCA	self-contained approaches
• SCA	software communications architecture

- **SCAP** standard computerized airplane performance
- **SCAT** special category
- **SCCI** system controller and cockpit indicator
- **SCD** system category diagram
- **SCE** super-conducting electronics
- **SCPC** single carrier per channel
- **SCSI** small computer system interface
- **SD** secure digital
- **SDD** system/software design document
- **SDD** system development and demonstration
- **SDDN** software-defined data network
- **SDF** software development folder
- **SDI** source destination identifier
- **SDL** software data loader
- **SDLC** synchronous data link control
- **SDM** software development methodology
- **SDP** software development plan
- **SDR** software defined radio
- **SDR** system design review
- **SDRAM** synchronous dynamic random access memory
- **SDR** software-defined radio
- **SDU** satellite data unit
- **SE** systems engineering
- **SEC** aircraft information security (AEEC)
- **SEC** software enabled control
- **SECAM** sequential color with memory
- **SEI** Software Engineering Institute
- **SEL** select identifier
- **SELCAL** selective calling
- **SEMP** system engineering management plan
- **SESAR** Single European Sky Air Traffic Management Research program (Eurocontrol)
- **SETA** system engineering and technical assistance (contractor)
- **SE-Vision** synthetic-enhanced vision
- **SEWG** security working group
- **SFAR** special federal regulation
- **SFDF** subsystem fault detection function
- **SFE** supplier (or seller)-furnished equipment
- **SFT** software fault tolerance
- **SICAS** secondary surveillance radar improvements and collision avoidance systems
- **SICASP** SICAS Panel (ICAO)
- **SID** standard instrument departure
- **SIGINT** signals intelligence
- **SIGMET** significant meteorological information
- **SIL** surveillance integrity level
- **SINCGARS** single-channel ground and airborne radio system
- **SI&T** software integration and test
- **SISG** Systems Implementation Subgroup (IATA)
- **SIT** system integration and test
- **SITA** Societe Internationale de Telecommunications Aeronautiques

• SITD	system integration test description
• SITP	system integration test plan
• SITP/D	SITP/description
• SITR	system integration test report
• SIU	server interface unit
• SIWG	seat integration
• SJU	SESAR Joint Undertaking
• SKT	station-keeping technology
• SLA	service level agreement
• SLC	synchronous link control
• SLH	system level health
• SLI	system level interface
• SLM	standard length message
• SLoC	source lines of code
• SLS	satellite landing system
• SLUC	system level use case
• SLV	service level verifier
• SM	systems management
• SMA	surface movement advisor
• SMART	standard modular avionics repair and test
• SMB	serial mezzanine board
• SMC	Space and Missile Systems Center (Air Force)
• SMD	standardized microcircuit drawing
• SMD	surface mount device
• SMDS	switch multimegabit data service
• SME	system management entity
• SMGCS	surface movement guidance and control systems
• SMI	standard message identifier
• SMR	simulator maintainability and reliability
• SMR	specialized mobile radio
• SMR	surface movement radar
• SMS	short messaging service
• SMS	spectrum monitoring system
• SMT	standard message text
• SMU	sensor management unit
• SMUG	stores management upgrade system
• SN	subnetwork
• SNA	system network architecture
• SNAC	SN access
• SNCR	SN connection reference
• SNDCF	SN dependent convergence function
• SNDCF/P	SNDCF/protocol
• SNICF	SN independent convergence function
• SNLE	SN link establishment
• SNMP	simple network management protocol
• SNMPv1	SNMP version 1
• SNPA	SN point of attachment
• SNPDU	SN protocol data unit
• SNR	signal-to-noise ratio
• SNSDU	SN service data unit
• SOC	system on a chip

- **SOH** start of header
- **SOI** system operator instructions
- **SOIA** simultaneous offset instrument approach
- **SOM** software operator manual
- **SOIT** satellite operational implementation team
- **SON** statement of operational need
- **SOSCOE** System-Of-Systems Common Operating Environment
- **SOW** statement of work
- **SP** signal processing
- **SPAR** Survivability Planner Associate Re-router
- **SPEAR** system performance evaluation and analysis reporting
- **SPCR** system problem/change report
- **SPI** serial peripheral interface
- **SPICE** STANS preparation integrator for CNS/ATM environment (Eurocontrol)

- **SPM** software programmer's manual
- **SPO** system program office
- **SPR** safety and performance requirements
- **SPS** software product specification
- **SPS** standard positioning service
- **SPS** stratospheric platform system
- **SPTF** Spectrum Policy Task Force
- **SQ** service quality
- **SQAP** software quality assurance plan
- **SQB** SQ/billing processor
- **SQD** SQ data
- **SQP** signal quality parameter
- **SRAM** static random access memory
- **SREJ** selective reject
- **SRM** selective reject mode
- **SRM** systematic risk management
- **SRR** system/software requirements review
- **SRS** software requirements specification
- **SRTM** shuttle radar topography mission
- **SRU** shop replaceable unit
- **SRW** Soldier Radio Waveform
- **SSA** source selection activity
- **SSA** system safety assessment
- **SSAC** source selection advisory committee
- **SSAP** strategic safety action plan
- **SSB** single side band
- **SSDD** system/segment design document
- **SSEB** source selection evaluation board
- **SSOI** sidestick order indicator
- **SSR** secondary surveillance radar
- **SSS** surveillance server system
- **SSS** system/segment specification
- **SSU** subsequent signal unit
- **STANAG** standardization agreement
- **STANS** simulation for a total air navigation system (Eurocontrol)
- **STAP** space-time adaptive processing



AEROSPACE ACRONYM & ABBREVIATION GUIDE

- **STAR** standard terminal arrival route
- **STARS** standard terminal automation replacement system (FAA)
- **STB** systems test bed
- **STC** supplemental type certificate (FAA)
- **STCA** short-term traffic advisory
- **STD** standard
- **STD** system technical description
- **STDMA** self-organized time division multiple access
- **STDMA** synchronized time division multiple access
- **STF** SATCOM tracking facility
- **STIU** satellite telecommunications intermediate unit
- **STK** Scandinavian Surveillance Office
- **STM** serial transition module
- **STOL** short takeoff and landing
- **STOVL** short takeoff/vertical landing
- **STP** system test plan
- **STP/D** STP/description
- **STR** system technical report
- **STR** system test report
- **STVS** small tower voice switch
- **STX** start of text
- **SU** signal unit
- **SUA** special use airspace
- **SUM** software user manual
- **SUPPS** regional supplementary procedures
- **SUT** system under test
- **SVC** switched virtual circuit
- **SvRR** service readiness review
- **SVS** synthetic vision system
- **SVU** satellite voice unit
- **SW** software
- **SWIM** System Wide Information Management (FAA)
- **SWIT** software integration and test
- **SWIT** switched virtual circuit
- **SWTP** software technology plan
- **SWTRR** software test readiness review
- **SYS** system identifier
- **SYSCAT-B** system category-B (FAA message format)
- **SysCI** system configuration item
- **SysDD** system design document
- **T-PED** transmitting portable electronic device
- **T&E** test and evaluation
- **TA** traffic advisory (TCAS)
- **TAA** technical advanced aircraft
- **TACAN** tactical air navigation
- **TAF** terminal aerodrome forecast
- **TAF** terminal area forecast (ICAO)
- **TAIC** transport accident investigation commission
- **TAIS** total airport management system
- **TAMD** theater air and missile defense
- **TAOARC** Terminal Area Operations Aviation Rulemaking Committee (FAA)



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• TAR	trials ATN router
• TAP	tower automation program
• TAS	traffic advisory system
• TASS	terminal air surveillance system
• TAT	total air temperature
• TAWS	terrain avoidance warning system
• TC	transport connection
• TCA	terminal control area
• TCAD	traffic collision alerting device
• TCAS	traffic alert collision avoidance system
• TCAS II	traffic alert collision avoidance system II
• TCC	turbine clearance control
• TCDL	tactical common data link
• TCP	transmission control protocol
• TCP/IP	TCP/Internet protocol
• TCS	tower communications system
• TD	technical documentation
• TDF	training device facility requirements
• TDLS	tower data link services (system)
• TDM	time division multiplexed
• TDMA	time division multiple access
• TDOA	time difference of arrival
• TDST	tower data services terminal
• TDWR	terminal Doppler weather radar
• TECOM	technical committee
• TEDS	transducer electronic data sheet
• TEI	text element identifiers
• TELCO	telephone company
• TEN-T	trans-European network-transport
• TERCOM	terrain contour matching
• TERPS	terminal en route procedures
• TERPS	terminal instrument procedures
• TES	tactical exploitation system
• TES	trials end system (for ATN)
• TESCOS	terminal coordination system
• TFC	traffic
• TFM	traffic flow management
• TFM-M	Traffic Flow Management Modernization (FAA)
• TFR	temporary flight restriction
• TFTP	trivial file transfer protocol
• TG	transmission gate
• TG4	maximum time between GSIF's timer
• TG5	maximum link overlap timer TGT target
• TIA	Telecommunications Industry Association
• TIF	traffic information file
• TIP	tower integrated program
• TIS	traffic information service
• TIS	traffic information system
• TIS-B	traffic information service-broadcast
• TL	terminal location (ACARS/AFEPS)
• TLS	target level of safety



AEROSPACE ACRONYM & ABBREVIATION GUIDE

- **TM** technical manual
- **TMA** traffic management advisor
- **TMC** traffic management coordinator
- **TMC** test, monitor and control
- **TMOS** TSAT Mission Operations System
- **TM&O** telecommunications management and operations
- **TMLLF** terrain masking low-level flight
- **TMMAC** tactical airborne moving map capability
- **TMS-T** traffic management system transition
- **TMU** traffic management unit
- **TO** technical order
- **TOC** transfer of communications
- **TOFT** tactical operational flight trainer
- **TO/GA** take off/go around
- **TOR** terms of reference (ICAO/FAA)
- **TOW** takeoff weight
- **TP** test point
- **TP4** transport protocol class 4
- **TPA** taxi positional awareness
- **TPAW** turbulence prediction and warning system
- **TPDU** transport protocol data unit
- **TPF** transaction processing facility
- **TPL** terminal permission list
- **TPM** technical performance management
- **TPU** terminal processing units
- **TQM** total quality management
- **TRACON** terminal radar approach control
- **TRB** technical review board
- **TRD** transit routing domain
- **TRNS** terrain referenced navigation system
- **TRR** test readiness review
- **TS** time source
- **TS** transport service
- **TSA** technical services agreement
- **TSA** temporary segregated areas
- **TSA** Transportation Security Administration (U.S.)
- **TSAP** transport service access point
- **TSAT** Transformational Satellite Communications System
- **TSB** Transportation Safety Board
- **TSC** term service commitment
- **TSC** transportation system center
- **TSDP** technical support and data packages
- **TSDU** transport service data unit
- **TSG** technical subgroup
- **TSG** technical standards and guidelines
- **TSO** technical standard order (FAA)
- **TSP** transmitted signal power
- **TSS** technology support and services
- **TSPD** technical support and data package
- **TSTM** time source transition module
- **TT** test tools



AEROSPACE ACRONYM & ABBREVIATION GUIDE

- **TTG** time to go
- **TTL** transistor-transistor logic
- **TTNT** tactical targeting networking technology
- **TTP** time-triggered protocol
- **TTS** time to station
- **TTW** time to waypoint
- **TUAV** tactical unmanned aerial vehicle
- **TURB** turbulence
- **TVE** total vertical error
- **TWDL** two-way data link communications
- **TWIP** terminal weather information for pilots
- **TWP** technical work program
- **TX** transmit
- **UA** unmanned aircraft
- **UA** unnumbered acknowledgment
- **UART** universal asynchronous receiver transmitter
- **UAS** unmanned aircraft system
- **UAT** universal access transceiver
- **UATP** universal air travel plan
- **UAV** unmanned aerial vehicle
- **UBI** uplink block identifier
- **UCAV** unmanned combat aerial vehicle
- **UCD** universal cockpit display
- **UCI** user computer interface
- **UD** user data
- **UDF** unducted fan
- **UDP** user datagram protocol
- **UHF** ultra-high frequency
- **UI** unnumbered information
- **UIR** upper information region
- **UL** uplink
- **ULV** ultra-low voltage
- **ULWG** upper layer working group
- **UML** unified modeling language
- **UMTS** universal mobile telecommunications system
- **UP** universal platform
- **UPRM** universal platform resource management
- **UPS** uninterruptible power supply
- **UPSMS** UPS management supply
- **URET** user request evaluation tool
- **URL** universal resource locator
- **USB** universal serial bus
- **USC** United States code
- **USCG** U.S. Coast Guard
- **UTC** universal time coordinated
- **UTP** unshielded twisted pair
- **UV** ultraviolet
- **UUT** unit under test
- **UWB** ultra wide-band
- **V** volt
- **VITA** VMEbus International Trade Group

• V/ULOS	versions of the HaveQuick and VHF/UHF line of sight
• V&V	verification and validation
• VAC	volts alternating current
• VAD	Visual Acquisition Disrupter
• VAM	value-added manufacturer
• VANS	value-added network services
• VAR	value-added reseller
• VAP	value-added processor
• VAS	value-added services
• VASI	visual approach slope indicator
• VBV	variable bleed valve
• VC	virtual circuit
• VCB	virtual circuit bridge
• VCDU	video control display unit
• VCP	video cassette player
• VCU	VDL control unit
• VDC	volts direct current
• VDD	version description document
• VDGS	visual docking guidance system
• VDL	VHF data link
• VDL4	VHF Data Link Mode 4
• VDLM2	VDL Mode 2
• VDLM3	VDL Mode 3
• VDLM4	VDL Mode 4
• VDR	VHF data radio
• VDU	visual display unit
• VEE	visual engineering environment
• VER	version
• VFD	virtual flight deck
• VFR	visual flight rules
• VGA	video graphics adapter
• VGA	video graphics array
• VG/DG	vertical gyro/directional gyro
• VGS	VDLM2 ground station
• VHF	very high frequency
• VHSIC	very high speed integrated circuit
• VIA	versatile integrated avionics
• VIP	verbal intruder positioning
• VLJ	very light jet
• VLSI	very large scale integration
• VMC	vehicle management computer
• VMC	visual meteorological conditions
• VMD	video motion detection
• VME	versa module Eurocard bus
• VME	VHF management entity (VMEbus)
• VMECC	versa module Eurocard card cage
• VMON	VNMS health monitoring
• VMS	vehicle management system
• VNAV	vertical navigation
• VNE	never-exceed speed
• VNMS	VDLM2 network management system



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- **VNO** maximum structural cruising speed
- **VOCRAD** voice radio
- **VOIP** voice over Internet protocol
- **VOR** VHF omnidirectional radio range
- **VPN** virtual private network
- **VPT** virtual procedure trainer
- **Vr** 157 knots
- **VR** rotation speed
- **VREF** approach reference speed
- **VRG** VDL reference guide
- **VSAT** very small aperture terminal
- **VSCS** voice switching and control system
- **VSD** VDL specific DTE address
- **VSM** vertical separation minimum
- **VSRS** voice switch replacement system
- **VSTC** validation of supplemental type certificate
- **VSWR** voltage standing wave ratio
- **VTAM** virtual telecommunications access method
- **VTAS** voice, throttle and stick
- **VTOL** vertical takeoff and landing
- **VTs** vessel traffic system
- **VUIT-2** Video from Unmanned Aerial Systems for Interoperability Teaming Level II

- **WAAS** wide area augmentation system
- **WACS** wireless airport communication system
- **WADGPS** wide area differential GPS
- **WAEA** World Airline Entertainment Association
- **WAFC** world area forecast center
- **WAN** wide area network
- **WARC** World Administrative Radio Conference
- **WARP** weather and radar processor
- **WAS** wide area search
- **WASP** wireless access service point
- **WATRS** west Atlantic route structure
- **WBS** weight balance system
- **WBS** work breakdown structure
- **WC** waypoint capture
- **WDM** wavelength division multiplexed
- **WDM LAN** wavelength division multiplexed local area network
- **WG** working group
- **Wi-Fi** wireless fidelity
- **WGS** world geodetic system
- **Wilco** will comply
- **WIN-T** Warfighter Information Network
- **WINN** Weather Information Network
- **WIP** wide area augmentation system integrity panel
- **WIPPS** wide-body integrated platform protection system
- **WJHTC** William J. Hughes Technical Center (FAA)
- **WLG** wireless ground-link
- **WMO** World Meteorological Organization
- **WMSCR** weather message switching center replacement



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- **WNW** wideband networking waveform
- **WORM** write-once/read many (optical disk technology)
- **WP** work procedure
- **WPR** waypoint position report
- **WPT** waypoint
- **WQAR** wireless quick access recorder
- **WRC** World Radiocommunication Conference
- **WS** windshear
- **WSDDM** weather support for deicing decision-making
- **WSR** weather surveillance radar
- **WTMD** Wake Turbulence Mitigation for Departures (FAA)
- **WWG** wireless working group
- **WX** weather
- **WXR** weather radar
- **X** cancel
- **XID** exchange identification
- **XFR** transfer
- **XL-ETFE** cross-linked ethylene tetraflourothylene
- **XMC** switched fabric mezzanine card
- **XMIT** transmit
- **XMTR** transmitter
- **XPDR** transponder
- **XTI** X-open transport interface
- **XTP** express transfer protocol
- **XTRA** X-ban thin radar aperture
- **XWIND** crosswind
- **Zulu** (Greenwich mean time)
- **ZFW** zero fuel weight
- **ZOC** zone of convergence
- **ZVF** zero velocity filter