

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



## AEROSPACE ACRONYM & ABBREVIATION GUIDE

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

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

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



## AEROSPACE ACRONYM & ABBREVIATION GUIDE

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

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

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| • 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                                                   |

|                  |                                                                                           |
|------------------|-------------------------------------------------------------------------------------------|
| • <b>ATLAS</b>   | abbreviated test language for avionics systems                                            |
| • <b>ATM</b>     | air traffic management                                                                    |
| • <b>ATM</b>     | asynchronous transfer mode                                                                |
| • <b>ATMAC</b>   | Air Traffic Management Committee (RTCA)                                                   |
| • <b>ATMAS</b>   | ATM automation system                                                                     |
| • <b>ATMB</b>    | Air Traffic Management Bureau                                                             |
| • <b>ATM DSS</b> | ATM decision support service                                                              |
| • <b>ATMS</b>    | area navigation, test and management services                                             |
| • <b>ATN</b>     | aeronautical telecommunication network                                                    |
| • <b>ATNE</b>    | ATN engineering                                                                           |
| • <b>ATNP</b>    | ATN panel                                                                                 |
| • <b>ATO</b>     | air traffic operations                                                                    |
| • <b>ATO</b>     | Air Traffic Organization (FAA)                                                            |
| • <b>ATOL</b>    | automatic take-off and landing                                                            |
| • <b>ATOP</b>    | advanced technologies and oceanic procedures                                              |
| • <b>ATP</b>     | acceptance test procedure/plan                                                            |
| • <b>ATPAC</b>   | Air Traffic Procedures Advisory Committee (FAA)                                           |
| • <b>ATR</b>     | acceptance test report                                                                    |
| • <b>ATR</b>     | air transport racking                                                                     |
| • <b>ATR</b>     | air transport radio: ARINC form-factor/standard case dimensions                           |
| • <b>ATS</b>     | air traffic services                                                                      |
| • <b>ATS</b>     | air turbine starter                                                                       |
| • <b>ATS</b>     | autothrottle system                                                                       |
| • <b>ATSAW</b>   | Airborne Traffic Situational Awareness                                                    |
| • <b>ATSC</b>    | air traffic services communication                                                        |
| • <b>AT/SC</b>   | autothrottle/speed control                                                                |
| • <b>ATSGF</b>   | air traffic services geographic filter                                                    |
| • <b>ATSMP</b>   | air traffic services message processor                                                    |
| • <b>ATSO</b>    | air traffic services organization                                                         |
| • <b>ATSP</b>    | air traffic services provider                                                             |
| • <b>ATSRAC</b>  | Aging Transport Systems Rulemaking Advisory Committee (FAA)                               |
| • <b>ATSU</b>    | air traffic services unit                                                                 |
| • <b>ATWR</b>    | apron tower (and operator)                                                                |
| • <b>AUSRIRE</b> | All Union Scientific Research Institute of Radio Equipment: CIS<br>(former Soviet) agency |
| • <b>AUX</b>     | auxiliary                                                                                 |
| • <b>AVC</b>     | aviation VHF car rental availability (messages)                                           |
| • <b>AVH</b>     | aviation VHF hotel availability (messages)                                                |
| • <b>AVLAN</b>   | avionics local area network                                                               |
| • <b>AVLC</b>    | aviation VHF link control                                                                 |
| • <b>AVM</b>     | airborne vibration monitor                                                                |
| • <b>AVN</b>     | avionics                                                                                  |
| • <b>AVOD</b>    | audio and video channels on demand                                                        |
| • <b>AVOL</b>    | aerodrome visibility operational level                                                    |
| • <b>AVPAC</b>   | aviation VHF packet communications                                                        |
| • <b>AVS</b>     | aviation VHF seat availability (messages)                                                 |
| • <b>AWACS</b>   | airborne warning and control system                                                       |
| • <b>AWAS</b>    | automated weather advisory station                                                        |
| • <b>AWC</b>     | Air Weapons Complex (Pakistan)                                                            |
| • <b>AWG</b>     | American wire gauge                                                                       |
| • <b>AWIN</b>    | advanced weather information system                                                       |

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

|                    |                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------|
| • <b>BRNAV</b>     | basic area navigation                                                                      |
| • <b>BRT</b>       | brightness                                                                                 |
| • <b>BSN</b>       | backbone sub-network                                                                       |
| • <b>BSC</b>       | binary synchronous communication                                                           |
| • <b>BSCU</b>      | brake system control unit                                                                  |
| • <b>BSP</b>       | board support package                                                                      |
| • <b>BSU</b>       | beam steering unit                                                                         |
| • <b>BSU</b>       | bypass switch unit                                                                         |
| • <b>BTB</b>       | bus tie breaker                                                                            |
| • <b>BTMU</b>      | brake temperature monitor unit                                                             |
| • <b>BU</b>        | backup                                                                                     |
| • <b>BUEC</b>      | BU emergency communications                                                                |
| • <b>BUFR</b>      | binary universal form for communication representation                                     |
| • <b>BWAN</b>      | BU wide area network                                                                       |
| • <b>Byte</b>      | a grouping of eight bits                                                                   |
| • <b>C2</b>        | command and control                                                                        |
| • <b>C41</b>       | command, control, communications, computers & intelligence                                 |
| • <b>C4ISR</b>     | command, control, communications, computers, intelligence, surveillance and reconnaissance |
| • <b>C-MANPADS</b> | Counter-Man Portable Air Defense System                                                    |
| • <b>C/A</b>       | code course acquisition code (GPS)                                                         |
| • <b>C/NO</b>      | carrier-to-noise density ratio                                                             |
| • <b>C/R</b>       | command/response                                                                           |
| • <b>C/SOIT</b>    | communications/surveillance operational implementation team                                |
| • <b>C/UT</b>      | code/unit test                                                                             |
| • <b>C&amp;C</b>   | command and control (also C2)                                                              |
| • <b>C&amp;W</b>   | control and warning                                                                        |
| • <b>CA</b>        | conflict alert                                                                             |
| • <b>CAA</b>       | Civil Aviation Administration                                                              |
| • <b>CAA</b>       | Civil Aviation Authority                                                                   |
| • <b>CAAC</b>      | Civil Aviation Administration of China                                                     |
| • <b>CAAFI</b>     | Commercial Aviation Alternative Fuels Initiative (FAA)                                     |
| • <b>CAAS</b>      | common avionics architecture system                                                        |
| • <b>CAASD</b>     | Center for Advanced Aviation System Development (MITRE Corp.)                              |
| • <b>CAB</b>       | Civil Aeronautics Board                                                                    |
| • <b>CAC</b>       | caution advisory computer                                                                  |
| • <b>CACP</b>      | cabin area control panel                                                                   |
| • <b>CAD</b>       | computer-aided design                                                                      |
| • <b>CADAG</b>     | Communications, Automation and Data Link Applications Group                                |
| • <b>CADC</b>      | central air data computer (an analog system)                                               |
| • <b>CADS</b>      | centralized automatic dependent surveillance                                               |
| • <b>CAE</b>       | component application engineer                                                             |
| • <b>CAGE</b>      | commercial avionics GPS engine                                                             |
| • <b>CAH</b>       | cabin attendant handsets                                                                   |
| • <b>CAI</b>       | caution annunciator indicator                                                              |
| • <b>CALSEL</b>    | variation of SELCAL system                                                                 |
| • <b>CAM</b>       | computer-aided manufacturing                                                               |
| • <b>CAN</b>       | controller area network                                                                    |
| • <b>CANbus</b>    | control area network                                                                       |
| • <b>CANSO</b>     | Civil Air Navigation Services Organization                                                 |
| • <b>CAOC</b>      | Combined Air Operations Center                                                             |

|                  |                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| • <b>CAP</b>     | Civil Air Patrol (U.S.)                                                                                                                           |
| • <b>CAPA</b>    | Coalition of Airline Pilots Association                                                                                                           |
| • <b>CAPS</b>    | commercial airliner protection system                                                                                                             |
| • <b>CARE</b>    | cooperative actions on R&D in Eurocontrol                                                                                                         |
| • <b>CAS</b>     | collision avoidance system                                                                                                                        |
| • <b>CAS</b>     | commercially available software                                                                                                                   |
| • <b>CAS</b>     | computed airspeed                                                                                                                                 |
| • <b>CASA</b>    | controller automated spacing aid                                                                                                                  |
| • <b>CASCADE</b> | Co-operative ATS (Air Traffic Services) through Surveillance and Communication Applications Deployed in ECAC (European Civil Aviation Conference) |
| • <b>CASE</b>    | computer-aided software engineering                                                                                                               |
| • <b>CASR</b>    | Civil Aviation Safety Regulations                                                                                                                 |
| • <b>CASS</b>    | Consolidated Automated Support System                                                                                                             |
| • <b>CAT</b>     | categories (I, II, IIIa/b/c) approach                                                                                                             |
| • <b>CAT</b>     | clear air turbulence                                                                                                                              |
| • <b>CAT</b>     | computer aided testing                                                                                                                            |
| • <b>CAVS</b>    | CDTI assisted visual separation                                                                                                                   |
| • <b>CBA</b>     | cost/benefit analysis                                                                                                                             |
| • <b>CBT</b>     | computer-based training                                                                                                                           |
| • <b>CC</b>      | connection confirm                                                                                                                                |
| • <b>CCA</b>     | circuit card assembly                                                                                                                             |
| • <b>CCB</b>     | configuration control board                                                                                                                       |
| • <b>CCB</b>     | converter circuit breaker                                                                                                                         |
| • <b>CCD</b>     | category class diagram                                                                                                                            |
| • <b>CCD</b>     | charged coupled device                                                                                                                            |
| • <b>CCD</b>     | coherent change detection                                                                                                                         |
| • <b>CCD</b>     | cursor control device                                                                                                                             |
| • <b>CCIR</b>    | International Radio Consultative Committee                                                                                                        |
| • <b>CCITT</b>   | Consultative Committee International Telephone and Telegraph                                                                                      |
| • <b>CCP</b>     | consolidated control panel                                                                                                                        |
| • <b>CCS</b>     | cabin communication system                                                                                                                        |
| • <b>CCS</b>     | common core system                                                                                                                                |
| • <b>CCTV</b>    | closed-circuit television                                                                                                                         |
| • <b>CD</b>      | carrier detect                                                                                                                                    |
| • <b>CD</b>      | chrominance difference                                                                                                                            |
| • <b>CDA</b>     | continuous descent approach                                                                                                                       |
| • <b>CDA</b>     | coordinating design authority                                                                                                                     |
| • <b>CDAM</b>    | centralized data acquisition module                                                                                                               |
| • <b>CDAM</b>    | common data acquisition module                                                                                                                    |
| • <b>CDG</b>     | configuration database generator                                                                                                                  |
| • <b>CDI</b>     | course deviation indicator                                                                                                                        |
| • <b>CDM</b>     | collaborative decision-making                                                                                                                     |
| • <b>CDMS</b>    | CDM system                                                                                                                                        |
| • <b>CDMS</b>    | control and data management system                                                                                                                |
| • <b>CDP</b>     | continuous data program                                                                                                                           |
| • <b>CDR</b>     | critical design review                                                                                                                            |
| • <b>CDS</b>     | central dispatch system                                                                                                                           |
| • <b>CDS</b>     | cockpit display systems                                                                                                                           |
| • <b>CDS</b>     | common display system                                                                                                                             |
| • <b>CDSS</b>    | cockpit door surveillance system                                                                                                                  |

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

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



## AEROSPACE ACRONYM & ABBREVIATION GUIDE

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

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

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

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

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

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

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

|                   |                                                                                  |
|-------------------|----------------------------------------------------------------------------------|
| • <b>ESS</b>      | electronic switching system                                                      |
| • <b>ESS</b>      | environmental stress screening                                                   |
| • <b>ESSD</b>     | electrostatic sensitive devices                                                  |
| • <b>ESU</b>      | environmental sensor unit                                                        |
| • <b>ETA</b>      | estimated time of arrival                                                        |
| • <b>ETAS</b>     | enhanced TRACON/tower automation system                                          |
| • <b>ETB</b>      | end of block (ASCII/IA5 character)                                               |
| • <b>ETB</b>      | engineering test bed                                                             |
| • <b>ETC</b>      | estimated time of completion                                                     |
| • <b>ETD</b>      | estimated time of departure                                                      |
| • <b>ETE</b>      | estimated time enroute                                                           |
| • <b>ETI</b>      | elapsed time indicator                                                           |
| • <b>ETM</b>      | elapsed time measurement                                                         |
| • <b>ETM</b>      | electronic training manuals                                                      |
| • <b>ETMS</b>     | engine-trend monitoring services                                                 |
| • <b>ETMS</b>     | enhanced traffic management system                                               |
| • <b>ETNO</b>     | European Telecommunications Network Operators                                    |
| • <b>ETOPS</b>    | extended operations                                                              |
| • <b>ETOPS</b>    | extended twin-engine operations                                                  |
| • <b>ETP</b>      | equal time point (halfway there, by time)                                        |
| • <b>ETRC</b>     | expected taxi ramp clearances                                                    |
| • <b>ETVS</b>     | enhanced terminal voice switch                                                   |
| • <b>ETX</b>      | end of transmission                                                              |
| • <b>EU</b>       | electronic unit                                                                  |
| • <b>EU</b>       | European Union                                                                   |
| • <b>EUAFS</b>    | enhanced upper air forecast system                                               |
| • <b>EUPS</b>     | external uninterruptible power supply                                            |
| • <b>EURATN</b>   | European ATN                                                                     |
| • <b>EURET</b>    | European research on transport systems                                           |
| • <b>EUROCAE</b>  | European Organization for Civil Aviation Equipment (European equivalent of RTCA) |
| • <b>EV</b>       | earned value                                                                     |
| • <b>EVM</b>      | error vector magnitude                                                           |
| • <b>EVS</b>      | enhanced vision system                                                           |
| • <b>EW</b>       | electronic warfare                                                               |
| • <b>EWIS</b>     | electrical wiring interconnection system                                         |
| • <b>EZAP</b>     | enhanced zonal analysis procedures                                               |
| • <b>F</b>        | Fahrenheit                                                                       |
| • <b>F/O</b>      | first officer                                                                    |
| • <b>F&amp;E</b>  | facilities and equipment                                                         |
| • <b>FA</b>       | final approach                                                                   |
| • <b>FAA</b>      | Federal Aviation Administration (U.S.)                                           |
| • <b>FAA/EURO</b> | FAA/Eurocontrol R&D committee                                                    |
| • <b>FAATC</b>    | FAA Technical Center                                                             |
| • <b>FAB</b>      | functional airspace blocks                                                       |
| • <b>FAB-T</b>    | family of advanced beyond-line-of-sight terminals                                |
| • <b>FAC</b>      | flight augmentation computer                                                     |
| • <b>FADEC</b>    | full authority digital engine/electronic control                                 |
| • <b>FAF</b>      | final approach fix                                                               |
| • <b>FAI</b>      | first article inspection                                                         |
| • <b>FAMIS</b>    | full aircraft management/inertial system                                         |

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

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

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

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

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

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

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

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| • <b>IAT</b>      | investment analysis team                                               |
| • <b>IATA</b>     | International Air Transport Association                                |
| • <b>IBAC</b>     | International Business Aviation Council                                |
| • <b>IC</b>       | integrated circuit                                                     |
| • <b>IC</b>       | intercabinet                                                           |
| • <b>ICAO</b>     | International Civil Aviation Organization                              |
| • <b>ICARD</b>    | ICAO five-letter name code & route designator system                   |
| • <b>ICAP</b>     | improved capability                                                    |
| • <b>ICC IAPS</b> | card cage                                                              |
| • <b>ICCAIA</b>   | International Coordinating Council of Aerospace Industries Association |
| • <b>ICD</b>      | interactive design center                                              |
| • <b>ICD</b>      | interface control document/drawing                                     |
| • <b>ICD</b>      | installation control drawing                                           |
| • <b>ICM</b>      | interline communications manual                                        |
| • <b>ICMP</b>     | Internet control message protocol                                      |
| • <b>ICNIA</b>    | integrated communications, navigation and identification avionics      |
| • <b>ICP</b>      | integrated core processor                                              |
| • <b>ICS</b>      | intercommunications system                                             |
| • <b>ICS</b>      | interface control specification                                        |
| • <b>ICSS</b>     | integrated communication switching system                              |
| • <b>ICU</b>      | instrument comparator unit                                             |
| • <b>ICU</b>      | integrated control unit                                                |
| • <b>ID</b>       | identifier/identification                                              |
| • <b>IDC</b>      | indicator display/control                                              |
| • <b>IDC</b>      | internal diagnostic capabilities                                       |
| • <b>IDD</b>      | interface design document                                              |
| • <b>IDEN</b>     | integrated digital enhanced network                                    |
| • <b>IDG</b>      | integrated drive generator                                             |
| • <b>IDI</b>      | initial domain identifier                                              |
| • <b>IDIQ</b>     | indefinite-delivery/indefinite quantity                                |
| • <b>IDM</b>      | Improved Data Modem                                                    |
| • <b>iDMU</b>     | integrated data management unit                                        |
| • <b>IDP</b>      | initial domain part                                                    |
| • <b>IDRP</b>     | interdomain routing protocol                                           |
| • <b>IDS</b>      | ice detection system                                                   |
| • <b>IDS</b>      | inter-domain system                                                    |
| • <b>IDS</b>      | integrated display system                                              |
| • <b>IDU</b>      | interactive display unit                                               |
| • <b>IEC</b>      | IAPS environmental control module                                      |
| • <b>IEC</b>      | International Electrotechnical Commission                              |
| • <b>IEC</b>      | International Engineering Consortium                                   |
| • <b>IED</b>      | insertion extraction device                                            |
| • <b>IEEE</b>     | Institute of Electrical and Electronics Engineers                      |
| • <b>IF</b>       | intermediate frequency                                                 |
| • <b>IFALPA</b>   | International Federation of Airline Pilots Association                 |
| • <b>IFASS</b>    | integrated system for surveillance and radio transmission              |
| • <b>IFATCA</b>   | International Federation of Air Traffic Controllers' Association       |
| • <b>IFC</b>      | indicated final cost                                                   |
| • <b>IFDL</b>     | intraflight data link                                                  |
| • <b>IFE</b>      | in-flight entertainment                                                |

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

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

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

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

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

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

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

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

|                   |                                                                      |
|-------------------|----------------------------------------------------------------------|
| • <b>MUOS</b>     | Mobile User Objective System                                         |
| • <b>MUS</b>      | minimum use specification                                            |
| • <b>MUSE</b>     | multi-user system environment                                        |
| • <b>MUX</b>      | multiplexer                                                          |
| • <b>mV</b>       | millivolts                                                           |
| • <b>MWARA</b>    | major world air route area                                           |
| • <b>MWP</b>      | meteorological weather processor                                     |
| • <b>MWS</b>      | missile warning system                                               |
| • <b>N1</b>       | fan speed                                                            |
| • <b>N2</b>       | intermediate compressor speed                                        |
| • <b>N3</b>       | high-speed compressor                                                |
| • <b>N-UCAS</b>   | Navy-Unmanned Aerial Combat System                                   |
| • <b>NACp</b>     | navigation accuracy category for velocity                            |
| • <b>NACA</b>     | National Advisory Committee for Aeronautics (U.S.)                   |
| • <b>NCAR</b>     | National Center for Atmospheric Research                             |
| • <b>NADIN</b>    | national airspace data interchange network                           |
| • <b>NADIN II</b> | NADIN packet switch                                                  |
| • <b>NAIS</b>     | national airspace integrated logistics support                       |
| • <b>NAK</b>      | negative acknowledgment                                              |
| • <b>NAOMS</b>    | National Aviation Operational Monitoring Service                     |
| • <b>NAPRS</b>    | national airspace performance reporting system                       |
| • <b>NAS</b>      | national aircraft standard                                           |
| • <b>NAS</b>      | National Airspace System (FAA)                                       |
| • <b>NASA</b>     | National Aeronautics and Space Administration                        |
| • <b>NASPALS</b>  | National Airspace System Precision Approach and Landing System (FAA) |
| • <b>NAT</b>      | North Atlantic region                                                |
| • <b>NAT</b>      | North Atlantic tracks                                                |
| • <b>NATA</b>     | National Air Transport Association                                   |
| • <b>NATCA</b>    | National Air Traffic Controllers Association (U.S.)                  |
| • <b>NATS</b>     | National Air Traffic Services (U.K.)                                 |
| • <b>NATS</b>     | North Atlantic track system                                          |
| • <b>NAT TFG</b>  | NAT Traffic Forecasting Group                                        |
| • <b>NAV</b>      | navigation                                                           |
| • <b>NAVAID</b>   | navigational aid                                                     |
| • <b>NAVAIR</b>   | Naval Air Systems Command                                            |
| • <b>NAVSAT</b>   | navigation satellite                                                 |
| • <b>NAVSEA</b>   | Naval Sea Systems Command                                            |
| • <b>NBAA</b>     | National Business Aviation Association                               |
| • <b>NC</b>       | numerical control                                                    |
| • <b>NC3A</b>     | NATO Consultation, Command and Control Agency                        |
| • <b>NCATT</b>    | National Center for Aircraft Technician Training                     |
| • <b>NCD</b>      | no computed data                                                     |
| • <b>NCES</b>     | Net-Centric Enterprise Services                                      |
| • <b>NCI</b>      | not currently implemented                                            |
| • <b>NCO</b>      | Network Centric Operations                                           |
| • <b>NCOIC</b>    | Network Centric Operations Industry Consortium                       |
| • <b>NCOW</b>     | net-centric operations and warfare                                   |
| • <b>NCP NAS</b>  | change proposal                                                      |
| • <b>NCS</b>      | network control system                                               |
| • <b>NCS</b>      | network coordination station                                         |

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

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

|                |                                                                               |
|----------------|-------------------------------------------------------------------------------|
| • <b>OASYS</b> | obstacle avoidance system                                                     |
| • <b>OAT</b>   | operational acceptance test                                                   |
| • <b>OAT</b>   | outside air temperature                                                       |
| • <b>OATS</b>  | orbit and attitude tracking system                                            |
| • <b>OBP</b>   | operational build plan                                                        |
| • <b>OBS</b>   | omnibearing selector                                                          |
| • <b>OBS</b>   | optical bypass switch                                                         |
| • <b>OCA</b>   | oceanic control area                                                          |
| • <b>OCC</b>   | occasionally connected computing                                              |
| • <b>OCC</b>   | operations control center                                                     |
| • <b>OCD</b>   | oceanic clearance delivery                                                    |
| • <b>OCIG</b>  | Oceanic Communications Improvement Group                                      |
| • <b>OCP</b>   | oceanic clearance processor                                                   |
| • <b>OCTAS</b> | obstacle cable and terrain avoidance system                                   |
| • <b>ODA</b>   | open document architecture                                                    |
| • <b>ODAPS</b> | oceanic display and planning system                                           |
| • <b>ODIAC</b> | operational requirements for ATM air/ground data communications (Eurocontrol) |
| • <b>ODID</b>  | operational display and input development                                     |
| • <b>ODL</b>   | oceanic data link                                                             |
| • <b>ODL</b>   | optical data link                                                             |
| • <b>OEM</b>   | original equipment manufacturer                                               |
| • <b>OEP</b>   | Operational Evolution Partnership (FAA)                                       |
| • <b>OES</b>   | Office of Emergency Services                                                  |
| • <b>OEU</b>   | overhead electronics unit                                                     |
| • <b>OFDM</b>  | orthogonal frequency division multiplexing                                    |
| • <b>OFDPS</b> | oceanic flight data processing system                                         |
| • <b>OFP</b>   | operational flight program                                                    |
| • <b>OGE</b>   | operational ground equipment                                                  |
| • <b>OHA</b>   | operational hazard assessment                                                 |
| • <b>OHSC</b>  | overhead stowage compartments                                                 |
| • <b>OHU</b>   | overhead unit (HUD)                                                           |
| • <b>OID</b>   | object identifier                                                             |
| • <b>OIG</b>   | Office of Inspector General                                                   |
| • <b>OIT</b>   | onboard information terminal                                                  |
| • <b>OJT</b>   | on-the-job training                                                           |
| • <b>OLAN</b>  | onboard local area network                                                    |
| • <b>OLDI</b>  | on-line data interchange                                                      |
| • <b>OLED</b>  | organic LED                                                                   |
| • <b>OM</b>    | outer marker                                                                  |
| • <b>OMB</b>   | Office of Management and Budget (U.S.)                                        |
| • <b>OMS</b>   | onboard maintenance system                                                    |
| • <b>OMT</b>   | object modeling technique                                                     |
| • <b>OMT</b>   | onboard maintenance terminal                                                  |
| • <b>ONR</b>   | Office of Naval Research (U.S.)                                               |
| • <b>OOA</b>   | object-oriented analysis                                                      |
| • <b>OOD</b>   | object-oriented design                                                        |
| • <b>OODA</b>  | observe, orient, decide and act                                               |
| • <b>OOOI</b>  | out/off/on/in                                                                 |
| • <b>OPA</b>   | operational performance assessment                                            |
| • <b>OPAS</b>  | overhead panel ARINC 629 system                                               |

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

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

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



## AEROSPACE ACRONYM & ABBREVIATION GUIDE

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

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

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

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

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

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

|                 |                                                                    |
|-----------------|--------------------------------------------------------------------|
| • <b>SOH</b>    | start of header                                                    |
| • <b>SOI</b>    | system operator instructions                                       |
| • <b>SOIA</b>   | simultaneous offset instrument approach                            |
| • <b>SOM</b>    | software operator manual                                           |
| • <b>SOIT</b>   | satellite operational implementation team                          |
| • <b>SON</b>    | statement of operational need                                      |
| • <b>SOSCOE</b> | System-Of-Systems Common Operating Environment                     |
| • <b>SOW</b>    | statement of work                                                  |
| • <b>SP</b>     | signal processing                                                  |
| • <b>SPAR</b>   | Survivability Planner Associate Re-router                          |
| • <b>SPEAR</b>  | system performance evaluation and analysis reporting               |
| • <b>SPCR</b>   | system problem/change report                                       |
| • <b>SPI</b>    | serial peripheral interface                                        |
| • <b>SPICE</b>  | STANS preparation integrator for CNS/ATM environment (Eurocontrol) |
| • <b>SPM</b>    | software programmer's manual                                       |
| • <b>SPO</b>    | system program office                                              |
| • <b>SPR</b>    | safety and performance requirements                                |
| • <b>SPS</b>    | software product specification                                     |
| • <b>SPS</b>    | standard positioning service                                       |
| • <b>SPS</b>    | stratospheric platform system                                      |
| • <b>SPTF</b>   | Spectrum Policy Task Force                                         |
| • <b>SQ</b>     | service quality                                                    |
| • <b>SQAP</b>   | software quality assurance plan                                    |
| • <b>SQB</b>    | SQ/billing processor                                               |
| • <b>SQD</b>    | SQ data                                                            |
| • <b>SQP</b>    | signal quality parameter                                           |
| • <b>SRAM</b>   | static random access memory                                        |
| • <b>SREJ</b>   | selective reject                                                   |
| • <b>SRM</b>    | selective reject mode                                              |
| • <b>SRM</b>    | systematic risk management                                         |
| • <b>SRR</b>    | system/software requirements review                                |
| • <b>SRS</b>    | software requirements specification                                |
| • <b>SRTM</b>   | shuttle radar topography mission                                   |
| • <b>SRU</b>    | shop replaceable unit                                              |
| • <b>SRW</b>    | Soldier Radio Waveform                                             |
| • <b>SSA</b>    | source selection activity                                          |
| • <b>SSA</b>    | system safety assessment                                           |
| • <b>SSAC</b>   | source selection advisory committee                                |
| • <b>SSAP</b>   | strategic safety action plan                                       |
| • <b>SSB</b>    | single side band                                                   |
| • <b>SSDD</b>   | system/segment design document                                     |
| • <b>SSEB</b>   | source selection evaluation board                                  |
| • <b>SSOI</b>   | sidestick order indicator                                          |
| • <b>SSR</b>    | secondary surveillance radar                                       |
| • <b>SSS</b>    | surveillance server system                                         |
| • <b>SSS</b>    | system/segment specification                                       |
| • <b>SSU</b>    | subsequent signal unit                                             |
| • <b>STANAG</b> | standardization agreement                                          |
| • <b>STANS</b>  | simulation for a total air navigation system (Eurocontrol)         |
| • <b>STAP</b>   | space-time adaptive processing                                     |

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

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



## AEROSPACE ACRONYM & ABBREVIATION GUIDE

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

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

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

|                  |                                                                          |
|------------------|--------------------------------------------------------------------------|
| • <b>VNO</b>     | maximum structural cruising speed                                        |
| • <b>VOCRAD</b>  | voice radio                                                              |
| • <b>VOIP</b>    | voice over Internet protocol                                             |
| • <b>VOR</b>     | VHF omnidirectional radio range                                          |
| • <b>VPN</b>     | virtual private network                                                  |
| • <b>VPT</b>     | virtual procedure trainer                                                |
| • <b>Vr</b>      | 157 knots                                                                |
| • <b>VR</b>      | rotation speed                                                           |
| • <b>VREF</b>    | approach reference speed                                                 |
| • <b>VRG</b>     | VDL reference guide                                                      |
| • <b>VSAT</b>    | very small aperture terminal                                             |
| • <b>VSCS</b>    | voice switching and control system                                       |
| • <b>VSD</b>     | VDL specific DTE address                                                 |
| • <b>VSM</b>     | vertical separation minimum                                              |
| • <b>VSRS</b>    | voice switch replacement system                                          |
| • <b>VSTC</b>    | validation of supplemental type certificate                              |
| • <b>VSWR</b>    | voltage standing wave ratio                                              |
| • <b>VTAM</b>    | virtual telecommunications access method                                 |
| • <b>VTAS</b>    | voice, throttle and stick                                                |
| • <b>VTOL</b>    | vertical takeoff and landing                                             |
| • <b>VTs</b>     | vessel traffic system                                                    |
| • <b>VUIT-2</b>  | Video from Unmanned Aerial Systems for Interoperability Teaming Level II |
| • <b>WAAS</b>    | wide area augmentation system                                            |
| • <b>WACS</b>    | wireless airport communication system                                    |
| • <b>WADGPS</b>  | wide area differential GPS                                               |
| • <b>WAEA</b>    | World Airline Entertainment Association                                  |
| • <b>WAFC</b>    | world area forecast center                                               |
| • <b>WAN</b>     | wide area network                                                        |
| • <b>WARC</b>    | World Administrative Radio Conference                                    |
| • <b>WARP</b>    | weather and radar processor                                              |
| • <b>WAS</b>     | wide area search                                                         |
| • <b>WASP</b>    | wireless access service point                                            |
| • <b>WATRS</b>   | west Atlantic route structure                                            |
| • <b>WBS</b>     | weight balance system                                                    |
| • <b>WBS</b>     | work breakdown structure                                                 |
| • <b>WC</b>      | waypoint capture                                                         |
| • <b>WDM</b>     | wavelength division multiplexed                                          |
| • <b>WDM LAN</b> | wavelength division multiplexed local area network                       |
| • <b>WG</b>      | working group                                                            |
| • <b>Wi-Fi</b>   | wireless fidelity                                                        |
| • <b>WGS</b>     | world geodetic system                                                    |
| • <b>Wilco</b>   | will comply                                                              |
| • <b>WIN-T</b>   | Warfighter Information Network                                           |
| • <b>WINN</b>    | Weather Information Network                                              |
| • <b>WIP</b>     | wide area augmentation system integrity panel                            |
| • <b>WIPPS</b>   | wide-body integrated platform protection system                          |
| • <b>WJHTC</b>   | William J. Hughes Technical Center (FAA)                                 |
| • <b>WLG</b>     | wireless ground-link                                                     |
| • <b>WMO</b>     | World Meteorological Organization                                        |
| • <b>WMSCR</b>   | weather message switching center replacement                             |



## AEROSPACE ACRONYM & ABBREVIATION GUIDE

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