(selected aviation industry, manufacturer, specification, flight operations, maintenance and related acronyms)

Α

AAC airline administrative communications

AAL above aerodrome level

AAPA Association of Asia Pacific Airlines ac alternating current / aircraft

ACARS aircraft communications addressing and reporting system

ACAS airborne collision avoidance system

ACJ Airbus Corporate Jetliner

ACMF airplane condition monitoring function

ACMI aircraft crew maintenance insurance (form of lease)

ACMP ac-powered electric motor pump

ACMS aeroplane/airplane condition monitoring system

ACN aircraft classification number

ACP audio control panel
ACT additional centre tank
ACS air conditioning system
ACU air conditioning unit
AD airworthiness directive
ADC air data computer

ADF automatic direction finding
ADG air driven generator
ADI attitude direction indicator
ADIRS air data inertial reference system
ADIRU air data inertial reference unit

ADM air data module

ADS air data system / automatic dependent surveillance

AEA Association of European Airlines automatic flight control system **AFCS** autopilot flight director computer **AFDC** autopilot flight director function **AFDF AFDS** autopilot flight director system **AFIS** aerodrome flight information service **AFM** aeroplane (airplane) flight manual **AFMC** auxiliary fuel management computer

AFN ATS facilities notification automatic flight system

AFTN aeronautical fixed telecommunications network

AGL above ground level

AIC aeronautical information circular
AIDS aircraft integrated data system
AIP aeronautical information publication
ALSCU auxiliary level sensing control unit

AMI Aircraft Maintenance Insurance (form of lease)

AMOC alternative method of compliance

AMSL above mean sea level audio management unit

ANSI American National Standards Institute
AOA ACARS over avionics / angle of attack

AOC air operator certificate / airline operational communications / airline operational control

AOG aircraft on ground

AP autopilot

APA aircraft purchase agreement

APHIS animal & plant health inspection service (USA department of agriculture port entry)

APIS advance passenger information system

APR automatic power reserve
APS auxiliary power system
APU auxiliary power unit
ARINC Aeronautical Radio, Inc.
ASCU anti-skid control unit

ASDA accelerate stop distance available

ASI air speed indicator
ASK available seat kilometres
ASM available seat miles
ASML above mean sea level

ASTM American Society of Testing and Materials
ATA Air Transport Association (of America)

ATC air traffic control

ATFM air traffic flow management ATI air transport indicator

ATIMS air traffic and information management system
ATN aeronautical telecommunication network

(selected aviation industry, manufacturer, specification, flight operations, maintenance and related acronyms)

ATP airline transport pilot certificate (US) / approved technical procedure

ATPL airline transport pilots license
ATR Avions de Transport Regional

ATS air traffic services
ATZ aerodrome traffic zone

В

BBJ Boeing Business Jet BC battery charger

BCA Boeing Commercial Airplanes
BET Boeing equivalent thrust
BFE buyer-furnished equipment
balanced field length

BGAN broadband global area network

BH block hours

BITE built-in test equipment

BOW basic operating weight (also expressed as OWE)

BPCU bus power control unit

BTMS brake temperature monitoring system

C

CAA Civil Aviation Authority (e.g. of the United Kingdom)
CAME continuing airworthiness management exposition
CAMO continuing airworthiness management organisation
CAMP computerised aircraft maintenance programme
CAS crew alerting system / calibrated air speed

CAT category circuit breaker CB cubic centimetres CC CCD cursor control device CCR common computing resource CCS common core system CDL configuration deviation list **CDN** common data network

CDSS cockpit door survellance system

CDU control display unit

CFDIU centralised fault data interface unit
CFDS centralised fault data system

CFMI CFM International (engine joint-venture between GE and SNECMA)

CFRP carbon fibre reinforced plastic

CG centre of gravity

CIDS cabin intercommunication data system

CIS crew information system

CL cabin lighting

CMCS central maintenance computing system

CMS central maintenance system
CMU communications management unit
CMP computerised maintenance programme

CofAcertificate of airworthinessCofRcertificate of registrationCPCScabin pressure control system

CPDLC controller/pilot data link communication

CPL commercial pilots licence

CRJ Canadair regional jet (Bombardier)
CRM crew resource management
CRS certificate of release to service

CRT cathode ray tube
CS certification specification
CSE customer-selected equipment
CSM/G constant speed motor/generator

CSS cabin services system
CVR cockpit voice recorder
CWS central warning system

D

DA decision altitude

DAR (US FAA) designated airworthiness representative / digital AIDS recorder

D-ATIS digital automatic terminal information service

dc direct current

DCA department of civil aviation
DCDU datalink control and display unit

DCU data concentrator unit

(selected aviation industry, manufacturer, specification, flight operations, maintenance and related acronyms)

DDG dispatch deviation guide

DDRMI digital distance and radio magnetic indicator
DER (US FAA) designated engineering representative

DEU decoder/encoder unit
DFDR digital flight data recorder
DFLD database field loadable data

DGAC Direction Generale de l'Aviation Civile (France)
DGCA Director General of Civil Aviation (e.g. of India)

DH decision height

DMC display management computer
DME distance measuring equipment
DMU data management unit
DOC direct operating costs

DOT (US) Department of Transportation

DU display unit

DWE delivered weight empty

E

E electric/electronic

EAA European Airline Association

EAS equivalent air speed

EASA European Aviation Safety Agency
EBAA European Business Aircraft Association

EBU engine build-up unit ECA export credit agency

ECAM electronic centralised aircraft monitoring

ECB electronic control box
ECU electronic control unit
ECS environmental control system

ECU electronic control unit
EDP engine-driven pump
EEC electronic engine control

EETC enhanced equipment trust certificate

EFB electronic flight bag

EFIS electronic flight instrumentation system enhanced ground proximity warning system

EGT exhaust gas temperature

EICAS engine indication and crew alerting system
EIS entry into service / electronic instrument system

EIU engine interface unit

ELAC elevator and aileron computer
ELT emergency locator transmitter

EMP electric motor pump
EOL end of lease
EP external power
EPR engine pressure ratio
ER extended range

ERG economic regulation group
ERJ Embraer regional jet
EROPS extended range operations
ESN engine serial number
ETA estimated time of arrival
ETCA engine total care agreement
ETD estimated time of departure

ETOPS extended-range twin-engine operations

EU European Union

EU-ETS EU Emissions Trading Scheme EVS enhanced vision system EWD engine warning display

F

F/A flight attendant

FAA Federal Aviation Administration (of the United States)

FAC flight augmentation computer
FADEC full authority digital engine control

FAL final assembly line

FANS future air navigation system

FAR Federal Aviation Regulations (of the United States FAA)

FBO fixed base operator

FBW fly-by-wire

FCAC forward cargo air-conditioning
FCC flight control computer

(selected aviation industry, manufacturer, specification, flight operations, maintenance and related acronyms)

FCE flight control electronics
FCU flight control unit
FD flight director

FDAU flight data acquisition unit

FDIMU flight data interface and management unit

FDIU flight data interface unit flight data processing system

FDR flight data recorder

FF fuel flow FC flight cycles FH flight hours

FIR flight information region FIS flight information services

FL flight level

FLS field loadable software

FLXTO flexible take-off

FMCF flight management computing function flight management computing system flight management & guidance computer flight management & guidance system

FMS flight management system

FOCA Federal Office of Civil Aviation (of Switzerland)

FOI Flight Operations Inspector flight operations manual

FOQA flight operations quality assurance fuel quantity-indicating system

FPA flight path angle
FSB fasten seat belt
FTE fixed trailing edge
FTK freight tonne kilometres
FTM freight tonne miles
FTV flight test vehicle

FWC flight warning computer

G

g acceleration due to Earth's gravity
GA go-around / general aviation

GAMA General Aviation Manufacturer's Association

GCU generator control unit GE General Electric GLS GPS landing system

GNSS global navigation satellite system
GPCU ground power control unit
GPS global positioning system

GPU ground power unit

GPWS ground proximity warning system

G/S glideslope

GSE ground support equipment

GTF geared turbofan

н

HD high definitionHDD head-down display

HEPA high-efficiency particulate air

HF high frequency

HFDR high frequency data radio
HGW high gross weight
HMV heavy maintenance visit

HP high pressure
HPT high pressure turbine
HSI hot section inspection
HUD head-up display

HUMS health & usage monitoring system

IAE International Aero Engines IAP instrument approach plate

IAS indicated airspeed

IATA International Air Transport Association
IBAC International Business Aviation Council
ICAO International Civil Aviation Organisation

ICO interior colour offering

(selected aviation industry, manufacturer, specification, flight operations, maintenance and related acronyms)

ICS inter-communication system **IDG** integrated drive generator IDOC indirect operating costs **IFE** in-flight entertainment instrument flight rules **IFR** in-flight shut down **IFSD** increased gross weight **IGW** instrument landing system **ILS**

IMC instrument meteorological conditions

INOP inoperative

IOSA IATA operational safety audit IP intermediate pressure IPC illustrated parts catalogue

IR instrument rating

IRCM infrared countermeasures
IRS inertial reference system
IRU inertial reference unit

ISA international standard atmosphere

IS-BAO international standards for business aircraft operations IS-BAH international standards for business aircraft handling

ISIS integrated standby instrument system

ISS integrated surveillance system

J

JAA Joint Aviation Authorities (of Europe) (replaced by EU/EASA)
JAR Joint Aviation Regulations (of JAA) (replaced by EU/EASA)

JCAB Japanese Civil Aviation Bureau
JOL Japanese operating lease

K

KCAS knots calibrated airspeed

Kg kilogram(s)

KIAS knots indicated airspeed

km kilometr(s)

kt / knots nautical miles per hour KTAS knots true airspeed

L

LA linear accelerometer lb pound weight LCC low cost carrier liquid crystal display **LCD** landing distance available LDA **LED** light-emitting diode LLP life limited parts line number LN

LOI letter of intent

LOPA Layout - Passenger Accommodation

LP low pressure

LPC licence proficiency check
LPT low pressure turbine

LPV localizer performance with vertical guidance

LR long range LRC long range cruise

LRNS long range navigation system

LRU line-replaceable unit

LUMP low utilisation maintenance programme

M

m meter(s)M Mach number

MAC mean aerodynamic chord MC monitor and control

MCAI mandatory continuing airworthiness information

MCDU multipurpose control & display unit
MCF monitor and control function
MCM maintenance control manual

MCPH maintenance cost per hour (GE engine support agreement)

MCTmaximum continuous thrustMCUmodular concept unitMDAminimum descent altitude

MDC maintenance diagnostic computer

(selected aviation industry, manufacturer, specification, flight operations, maintenance and related acronyms)

MDS maintenance diagnostic system

MEBA Middle East Business Aircraft Association

MEL minimum equipment list

METAR timed aerodrome meteorolgical report

MEW manufacturer's empty weight

MFD multifunction display
MLG main landing gear
MLS microwave landing system
MLW maximum (design) landing weight
MME maintenance management exposition
MMEL master minimum equipment list

MMO maximum operating speed (Mach number)

MMR multi-mode receiver

MNPS minimum navigation performance specifications

MNT mach number technique

MOE maintenance organisation exposition MPD maintenance planning document

MPI major periodic inspection

MRO maintenance & repair organisation

MRW maximum ramp weight
MS military specification
MSC maximum speed cruise

MSCN manufacturer's specification change notice (Airbus)

MSL mean sea level

MSN manufacturer's serial number

MSP maintenance service programme (Honeywell)

MTBF mean time between failure
MTOW maximum (design) takeoff weight
MTW maximum (design) taxi weight

MTWA maximum (design) takeoff weight authorised

MWE manufacturer's weight empty

MX maintenance

MZFW maximum zero fuel weight

Ν

N1 high pressure turbine speed

N2 fan speed N3 compressor speed NAA national aviation authority

NBAA National Business Aviation Association (of America)

NDB non-directional beacon ND navigation display

NEO new engine option (Airbus)

NG new generation
NLG nose landing gear
NM nautical mile
NOTAM notice to airmen

NPRM notice of proposed rulemaking

NVM non-volatile memory **NWS** nose wheel steering

0

OAMP operator's aeroplane maintenance programme

OAT outside air temperature OBDL on-board data loader

OCMF onboard configuration management function

O&D originating & destinating
ODLF onboard data load function
OEB operation engineering bulletin
OEM original equipment manufacturer
OEW operating empty weight (see OWE)
OHMF onboard health management function

OL operating lease

OPC operator proficiency check

OTAC UK Overseas Territories aviation circular
OTARs UK Overseas Territories aviation requirements

OWE operating weight empty (see OEW)

P

PA purchase agreement / passenger address

PAS passenger address system

PAX passenger

(selected aviation industry, manufacturer, specification, flight operations, maintenance and related acronyms)

PBE protective breathing equipment

PBTH power by the hour personal computer

PCN pavement classification number

PCU power control unit

PDP pre-delivery payment / power distribution panel

PDU power drive unit PF pilot flying

PFCF primary flight control function
PFD primary flight display
PIC pilot in command

PMA parts manufacturer approval (non OEM parts)

PMG permanent magnet generators

PNF pilot not flying

PPI pre-purchase inspection PPL private pilot's license

PSEU proximity sensor electronic unit passenger service information unit

PSS passenger service system
PSU passenger service unit
PTU power transfer unit
PW Pratt & Whitney
PWC Pratt & Whitney Canada
PWS predictive windshear

Q

QA/D quick attach/detach
QAR quick access recorder
QEC quick engine change

QFE barometric altitude at airfield elevation

QNH corrected barometric altitude (relative to sea level)

QRH quick reference handbook

R

RA radio altimeter / ACAS resolution advisory

RAT ram air turbine

RDC remote data concentrator RDPU remote power distribution unit

RJ regional jet

RMI radio magnetic indicator
RMP radio management panel
RNP required navigation performance
RPCU residual pressure control unit
RPK revenue passenger kilometres

RPL repetitive flight plan
RPM revenue passenger miles

RR Rolls-Royce

RRCC ROUS-Royce Corporate Care regulated take-off weight

RTU radio tuning unit
RVG residual value guarantee
RVR runway visual range

RVSM reduced vertical separation minima

S

SELCAL

SARP standard and recommended practices

SATCOM satellite communication

SB service bulletin

SCN specification change notice (Airbus)

SD system display

SDAC system data aquisition concentrator SEC spoiler & elevator computer

selective calling system

SENELsingle event noise exposure levelSEPsafety & emergency proceduresSFCspecific fuel consumptionSFEseller-furnished equipment

SID standard instrument departure route

SIL speech interference level

SL sea level

SLB sale & leaseback SMOH since major overhaul

(selected aviation industry, manufacturer, specification, flight operations, maintenance and related acronyms)

SMS safety management system

SN serial number

SOPs standard operating procedures

SPLsound pressure levelSPAspecial pro-rate agreementSRMstructural repair manualSRSspeed reference systemSSPCsolid-state power controller

SSV since shop visit

STAR standard terminal arrival route
STC supplemental type certificate
STCU standby control unit
STD synthetic training device
STOL short take-off & landing

Т

TA traffic advisory

TAC thrust asymmetry compensation TAF terminal aerodrome forecast

TAS true air speed

TAWS terrain awareness and warning system
TC type certificate / Transport Canada

TCA total care agreement (Rolls-Royce engine support agreement)

TCAS traffic alert and collision avoidance system

TCSN total cycles new
TCO third country operator
TES total engine support
TEW true empty weight
TGT turbine gas temperature
3GCN third-generation cabin network

TMA terminal control area

T/O take-off
TOC top of climb
TOD top of descent

TODA take-off distance available take-off run available

TPIS tyre pressure information system
TR thrust reverser / transformer rectifier

TRU transformer rectifier unit

TSA Transportation Security Administration (USA)

TSP tail strike protection total time since new

U

ULD unitary load device (baggage/cargo container)

UMS user-modifiable software

U/S unserviceable USG / US gal United States Gallon

USPHS United States Public Health Service coordinated universal time (GMT)

٧

V volt

VDL VHF data link
VDR VHF data radio
VFR visual flight rules
VHF very high frequency
VLJ very light jet

VOR
VHF omni-directional range
VPN
virtual private network
VSD
vertical situation display
VSI
vertical speed indication
VTOL
vertical tak-off & landing

V Speeds

V1 take-off decision speed V2 take-off safety speed

VLE maximum speed for extended landing gear VLO maximum speed for landing gear operation

VMO maximum operating airspeed VNE never exceed airspeed

Vr rotation speed

(selected aviation industry, manufacturer, specification, flight operations, maintenance and related acronyms)

Vref approach airspeed

W

W watt / winglet-equipped

WAT weight altitude temperature (limitation)

WFU withdrawn from use
WGS world geodetic system
WOW weight on wheels

WPT waypoint WXR weather radar

X

XP extra performance XR extra range

XWB extra-wide body (Airbus A350)

Z

zulu time (=GMT, UTC)

E&OE.