



AVIATION ABBREVIATIONS & ACRONYMS

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

A

AAC	airline administrative communications
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 (lease)
ACMP	ac-powered electric motor pump
ACMS	aeroplane/airplane condition monitoring system
ACN	aircraft classification number
AD	airworthiness directive
ADF	automatic direction finder
ADI	attitude direction indicator
ADM	air data module
ADS	automatic dependent surveillance
AEA	Association of European Airlines
AFDC	autopilot flight director computer
AFDF	autopilot flight director function
AFDS	autopilot flight director system
AFM	aeroplane (airplane) flight manual
AFN	ATS facilities notification
AGL	above ground level
AIC	aeronautical information circular
AIP	aeronautical information publication
AMOC	alternative method of compliance
AOA	ACARS over avionics / angle of attack
AOC	air operator certificate / airline operational communications / airline operational control
AOG	aircraft on ground
AP	autopilot
APHIS	animal & plant health inspection service (<i>USA department of agriculture port entry</i>)
APIS	advance passenger information system
APU	auxiliary power unit
APS	auxiliary power system
ARINC	Aeronautical Radio, Inc.
ASDA	accelerate stop distance available
ASK	available seat kilometres
ASM	available seat miles
ASML	above mean sea level
ASTM	American Society of Testing and Materials
ATA	Air Transport Association (<i>of America</i>)
ATC	air traffic control
ATFM	air traffic flow management
ATN	aeronautical telecommunication network
ATP	airline transport pilot certificate (<i>US</i>) / approved technical procedure
ATPL	airline transport pilots license
ATR	Avions de Transport Regional (<i>EADS/Aeritalia joint venture</i>)
ATS	air traffic services
ATZ	aerodrome traffic zone

B

BBJ	Boeing Business Jet
BC	battery charger
BCA	Boeing Commercial Airplanes
BET	Boeing equivalent thrust



BFE	buyer-furnished equipment
BGAN	broadband global area network
BITE	built-in test equipment
BPCU	bus power control unit
C	
CAA	Civil Aviation Authority (<i>e.g. of the United Kingdom</i>)
CAME	continuing airworthiness management exposition
CAMO	continuing airworthiness management organisation
CAMP	computerised aircraft maintenance programme
CB	circuit breaker
CCD	cursor control device
CCR	common computing resource
CCS	common core system
CDL	configuration deviation list
CDN	common data network
CDU	control display unit
CFMI	CFM International (engine joint-venture between GE and SNECMA)
CFRP	carbon fibre reinforced plastic
CG	centre of gravity
CIS	crew information system
CL	cabin lighting
CMCS	central maintenance computing system
CMS	central maintenance system
CofA	certificate of airworthiness
CofR	certificate of registration
CPCS	cabin pressure control system
CPDLC	controller/pilot data link communication
CPL	commercial pilots licence
CRJ	Canadair regional jet (Bombardier)
CRM	crew resource management
CSE	customer-selected equipment
CSS	cabin services system
CVR	cockpit voice recorder
D	
DA	decision altitude
DAR	(US FAA) designated airworthiness representative
D-ATIS	digital automatic terminal information service
dc	direct current
DCA	department of civil aviation
DDG	dispatch deviation guide
DER	(US FAA) designated engineering representative
DFLD	database field loadable data
DGAC	Direction Generale de l'Aviation Civile (<i>France</i>)
DGCA	director general of Civil Aviation (<i>e.g. of India</i>)
DH	decision height
DME	distance measuring equipment
DOC	direct operating costs
DOT	(US) Department of Transportation
DU	display unit
E	
E/E	electric/electronic
EADS	European Aeronautic Defence & Space Company (<i>Airbus parent</i>)
EASA	European Aviation Safety Agency
EBAA	European Business Aircraft Association
ECA	export credit agency
ECS	environmental control system



EDP	engine-driven pump
EETC	enhanced equipment trust certificate
EFB	electronic flight bag
EFIS	electronic flight information system
EGT	exhaust gas temperature
EICAS	engine indication and crew alerting system
EIS	entry into service
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
ESN	engine serial number
ETCA	engine total care agreement
ETOPS	extended-range twin-engine operations
EU	European Union
EU-ETS	EU Emissions Trading Scheme
EVS	enhanced vision system
F	
F/A	flight attendant
FAA	Federal Aviation Administration (<i>of the United States</i>)
FADEC	full authority digital engine control
FAL	final assembly line
FANS	future air navigation system
FAR	Federal Aviation Regulations (<i>of the United States</i>)
FBO	fixed base operator
FBW	fly-by-wire
FCAC	forward cargo air-conditioning
FCE	flight control electronics
FD	flight director
FDPS	flight data processing system
FDR	flight data recorder
FF	fuel flow
FIR	flight information region
FIS	flight information services
FL	flight level
FLS	field loadable software
FMCF	flight management computing function
FMCS	flight management computing system
FMS	flight management system
FOCA	Federal Office of Civil Aviation (<i>of Switzerland</i>)
FOI	Flight Operations Inspector
FOM	flight operations manual
FQIS	fuel quantity-indicating system
FSB	fasten seat belt
FTE	fixed trailing edge
FTK	freight tonne kilometres
G	
GA	general aviation
GAMA	General Aviation Manufacturer's Association
GCU	generator control unit
GE	General Electric
GLS	GPS landing system
GNSS	global navigation satellite system



GPS global positioning system
GPU ground power unit
GPWS ground proximity warning system
GTF geared turbofan

H

HDD head-down display
HEPA high-efficiency particulate air
HF high frequency
HPT high pressure turbine
HSI hot section inspection
HUD head-up display
HUMS health & usage monitoring system

I

IAE International Aero Engines (*joint-venture between Rolls-Royce and Pratt & Whitney*)
IAP instrument approach plate
IAS indicated airspeed
IBAC International Business Aviation Council
IATA International Air Transport Association
IBAO International Business Aviation Council
ICAO International Civil Aviation Organisation
ICO interior colour offering
IDOC indirect operating costs
IFE in-flight entertainment
IFR instrument flight rules
IFSD in-flight shut down
IGW increased gross weight
ILS instrument landing system
IOSA IATA operational safety audit
IPC illustrated parts catalogue
IRCM infrared countermeasures
IRU inertial reference unit
ISA international standard atmosphere
IS-BAO international standards for business aircraft operations
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

L

LCC low cost carrier
LCD liquid crystal display
LDA landing distance available
LED light-emitting diode
LLP life limited parts
LN line number
LOI letter of intent
LPT low pressure turbine
LR long range
LRC long range cruise
LRNS long range navigation system
LRU line-replaceable unit

M

MC monitor and control



MCAI	mandatory continuing airworthiness information
MCF	monitor and control function
MCPH	maintenance cost per hour (<i>GE engine support agreement</i>)
MEBA	Middle East Business Aircraft Association
MEL	minimum equipment list
MEW	manufacturer's empty weight
MFD	multifunction display
MLG	main landing gear
MLW	maximum 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
MRO	maintenance & repair organisation
MRW	maximum ramp weight
MSC	maximum speed cruise
MSL	mean sea level
MSN	manufacturer's serial number
MSP	maintenance service programme
MTOW	maximum takeoff weight
MTW	maximum taxi weight
MTWA	maximum takeoff weight authorised
MX	maintenance
MZFW	maximum zero fuel weight

N

N1	high pressure turbine speed
N2	fan speed
N3	compressor speed
NAA	national aviation authority
NBAA	National Business Aviation Association (<i>of America</i>)
ND	navigation display
NM	nautical mile
NPRM	notice of proposed rulemaking
NWS	nose wheel steering

O

OAMP	operator's aeroplane maintenance programme
OCMF	onboard configuration management function
O&D	originating & destinating
ODLF	onboard data load function
OEM	original equipment manufacturer
OEW	operating empty weight
OHMF	onboard health management function
OTAC	(UK) Overseas Territories aviation circular
OTARs	(UK) Overseas Territories Aviation Requirements

P

PA	passenger address
PAX	passenger
PBE	protective breathing equipment
PBTH	power by the hour
PC	personal computer
PCN	pavement classification number
PDP	pre-delivery payment / power distribution panel
PDU	power drive unit



PFCF	primary flight control function
PFD	primary flight display
PIC	pilot in command
PMA	parts manufacturer approval (<i>non OEM parts</i>)
PMG	permanent magnet generators
PSS	passenger service system
PW	Pratt & Whitney
PWC	Pratt & Whitney Canada
PWS	predictive windshear
Q	
QAR	quick access recorder
QEC	quick engine change
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
RPK	revenue passenger kilometres
RPL	repetitive flight plan
RR	Rolls-Royce
RTOW	regulated take-off weight
RVG	residual value guarantee
RVR	runway visual range
RVSM	reduced vertical separation minima
S	
SATCOM	satellite communication
SB	service bulletin
SELCAL	selective calling system
SENEL	single event noise exposure level
SEP	safety & emergency procedures
SFC	specific fuel consumption
SFE	seller-furnished equipment
SLB	sale & leaseback
SMS	safety management system
SN	serial number
SOPs	standard operating procedures
SPA	special pro-rate agreement
SRM	structural repair manual
SSPC	solid-state power controller
STC	supplemental type certificate
STD	synthetic training device
STOL	short take-off & landing
T	
TAC	thrust asymmetry compensation
TAS	true air speed
TAT	total air temperature
TAWS	terrain awareness and warning system
TC	type certificate
TCA	total care agreement (<i>Rolls-Royce engine support agreement</i>)
TCAS	traffic alert and collision avoidance system
TES	total engine support
3GCN	third-generation cabin network



TMA	terminal control area
TOC	top of climb
TOD	top of descent
TODA	take-off distance available
TORA	take-off run available
TR	thrust reverser
TRU	transformer rectifier unit
TSA	Transportation Security Administration (<i>USA</i>)
TSP	tail strike protection
U	
ULD	unitary load device (<i>baggage/cargo container</i>)
UMS	user-modifiable software
U/S	unserviceable
USPHS	United States Public Health Service
UTC	coordinated universal time (GMT)
V	
V	volt
VDL	VHF data link
VFR	visual flight rules
VHF	very high frequency
VLJ	very light jet
V_{mo}	maximum operating velocity
VOR	VHF omni-directional range
VPN	virtual private network
VSD	vertical situation display
W	
WAT	weight altitude temperature (limitation)
WFU	withdrawn from use
WGS	world geodetic system
WXR	weather radar
X	
XP	extra performance
XR	extra range
Z	
Z	zulu time (=GMT, UTC)