

LIST OF ACRONYMS AND ABBREVIATIONS

Bolded listings are FAA organizations.

A/A	air-air
A/G	air-ground
A/N	alphanumeric
AAF	Airway Facilities Service (FAA organization)
AAT	Air Traffic (FAA organization)
AATS	airspace analytical tool system
ABPE	automated barometric pressure entry
ACARS	Aircraft Communications Addressing and Reporting System
ACE	ASOS controller equipment
ACO	Aircraft Certification Office
ACS	Civil Aviation Security (FAA organization)
ADAS	AWOS data acquisition system
ADDS	Aviation Digital Data Service
ADF	automatic direction finder
ADS	automatic dependent surveillance
ADS-A	automatic dependent surveillance addressable
ADS-B	automatic dependent surveillance broadcast
ADSS	ATC decision support system
ADTN 2000	Administrative Data Transmission Network 2000
AERA	automated en route air traffic control
AF	Airway Facilities (FAA organization)
aFAST	active Final Approach Spacing Tool
AFB	air force base
AFOS	automation of field operations and services
AFSS	automated flight service station
AFTN	aeronautical fixed telecommunications network
AGATE	advanced general aviation transport equipment
AGFS	Aviation Gridded Forecast System
AIA	automated interface adapter
AIDC	air traffic services interfacility data communications
AIM	Airman’s Information Manual
AIP	Airport Improvement Program
AIRMET	airman's meteorological information
AIS	aeronautical information system
ALDARS	ASOS Lightning Detection and Reporting System
ALSF	approach lighting system with sequenced flashing lights
AM	amplitude modulation

AMASS	Airport Movement Area Safety System
AMS	acquisition management system
AMSS	aeronautical mobile satellite service
ANC	Air Navigation Commission
ANICS	Alaska NAS Interfacility Communications System
ANSI	American National Standards Institute
AOA	air operations area
AOAS	Advanced Oceanic Automation System
AOC	airline operations center
AOCNet	airline operations center network
AOS	Operational Support Services (FAA organization)
APB	acquisition program baseline
API	Policy, Planning and International Aviation (FAA organization)
APP	application portability profile
ARA	Research and Acquisition (FAA organization)
ARP	Airports (FAA organization)
ARSR	air route surveillance radar
ARTCC	air route traffic control center
ARTCC-P	Air Route Traffic Control Center Personnel
ARTS	automated radar terminal system
ASAS	Aviation Safety Analysis System
ASD	aircraft situation display
ASDE	airport surface detection equipment
ASDI	aircraft situation display to industry
ASIS	aviation standards information system
ASM	altimeter setting message
ASOS	automated surface observing system
ASR	Office of Spectrum Policy and Management (FAA organization)
ASR	airport surveillance radar
ASR-WSP	airport surveillance radar-weather system processor
ASRP	Aviation Safety Research Program
AST	Commercial Space Transportation (FAA organization)
ASTERIX	All Purpose Structural Eurocontrol Radar Information Exchange
AT	Air Traffic (FAA organization)
ATC	air traffic control
ATCBI	air traffic control beacon interrogator
ATCRBS	air traffic control radar beacon system
ATCSCC	Air Traffic Control System Command Center
ATCT	airport traffic control tower

ATCT-P	Airport Traffic Control Tower Personnel
ATIS	automatic terminal information service
ATM	air traffic management
ATN	aeronautical telecommunications network
ATOMS	Air Traffic Operational Management System
ATS	Air Traffic Services (FAA organization)
AVN	Aviation System Standards (FAA organization)
AVR	Regulation and Certification (FAA organization)
AW-IDS	automated weather information distribution center
AWC	Aviation Weather Center
AWN	Automated Weather Network
AWOP	All Weather Operations Panel
AWOS	automated weather observing system
AWP	aviation weather processor
AWR	Aviation Weather Research
B	billion
BD	begin decommission
bps	bits per second
BRI	basic rate interface
BUEC	backup emergency communications
CA	conflict alert
CAA	Cargo Airline Association
CAASD	Center for Advanced Aviation System Development
CAEG	computer aided engineering graphic
CAMI	Civil Aeromedical Institute
CARF	central altitude reservation function
CASA	Controller Automation Spacing Aid
CAT	category
CBA	cost-benefit analysis
CCLD	core capabilities limited deployment
CDC	computer display channel
CDM	collaborative decisionmaking
CDTI	cockpit display of traffic information
CENRAP	Center Radar ARTS Presentation
CEQ	Council on Environmental Quality
CERAP	Center Radar Approach Control
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act

CERFA	Community Environmental Response Facilitation Act
CFIT	controlled flight into terrain
CFR	Code of Federal Regulations
CFWARP	central flow WARP
CHI	computer-human interface
CIMS	corporate information management system
CM	conflict monitor
CMA	context management application
CMU	communications management units
CNS	communications, navigation, surveillance
CODAS	Consolidated Operations and Delay Analysis System
CONOPS	concept of operations
CONUS	continental United States
COPS	Cost Performance System
COTS	commercial off-the-shelf
CP	conflict probe
CPDLC	controller-pilot data link communications
CR	conflict resolution
CRDA	Converging Runway Display Aid
CSMA	carrier-sense multiple access
CTA	control by time of arrival
CTAS	Center TRACON (terminal radar approach control) Automation System
CTS	coded time source subsystem
CWSU	center weather surface unit
D-ATIS	digital automated terminal information services
D-Side	data side
DA	descent advisor
DAB	David A. Baker
DARC	direct access radar channel
DARP	dynamic air route planning
DASI	digital altimeter setting indicator
DBMS	data base management system
DBRITE	digital bright radar indicator tower equipment
DCCR	display channel complex replacement
DDC	direct digital connect
DDS	digital data service
DDTC	data delivery of taxi clearance
DEDS	data entry and display subsystem

DEMVAL	demonstration validation
DL	data link
DLAP	Data Link Applications Processor
DME	distance measuring equipment
DMN	data multiplexing network
DOD	Department of Defense
DOT	Department of Transportation
DOTS	Dynamic Ocean Tracking System
DOTS + (Plus)	Dynamic Ocean Tracking System Plus
DPAT	detailed policy analysis tool
DSM	display system monitor
DSR	display system replacement
DSS	decision support system
DUAT	direct user access terminal
DVFR	defense visual flight rules
E&M	ear and mouth
E-IDS	enhanced next-generation information display system
EA	environmental assessment
EARTS	En Route Automated Radar Tracking System
EDC	early display configuration
EDDA	Environmental Due Diligence Audit
EEAS	enhanced en route automation system
EFIS	electronic flight information system
EIS	environmental impact statement
ELT	emergency locator transmitter
EMC	Environmental Modeling Center
ENET	enterprise network
EOSL	end of service life
ERDI	en route domain infrastructure
ESI	enhanced DARC system interface
ETAS	enhanced terminal automation system
ETMS	enhanced traffic management system
ETN	electronic tandem network
ETVS	enhanced terminal voice switch
EVCS	Emergency Voice Communications System
F&E	facilities and equipment
FAA	Federal Aviation Administration

FAAHQ-P	Federal Aviation Administration Headquarters Personnel
FAALFI-P	Federal Aviation Administration Logistics Flight Inspection Personnel
FAATSAT	FAA telecommunications satellite
FAATC	FAA Technical Center
FANS	Future Air Navigation System
FAR	Federal Aviation Regulation
FAST	Final Approach Spacing Tool
FBWTG	FAA bulk weather telecommunications gateway
FDADS	fully digital ARTS display system
FDIO	Flight Data Input/Output
FDM	flight data management
FDP	flight data processor
FFP1 CCLD	Free Flight Phase 1 Core Capabilities Limited Deployment
FFTS	full fidelity training simulator
FICS 21	FAA Integrated Communications System for the 21st Century
FID	flight information display
FIR	flight information region
FIS	flight information service
FL	flight level
FM	frequency modulation
FMA	Final Monitor Aid
FMC	flight management computer
FMS	flight management system
FO	flight object
FOC	full operating capability
FOS	family of services
FP	flight plan
FPS	fixed position surveillance
FRAD	frame relay access device
FSAS	flight service automation system
FSC	final system capability
FSD	full-scale deployment
FSDPS	Flight Service Data Processing System
FSL	Forecast Systems Laboratory
FSM	flight schedule monitor
FSS	flight service station
FSS-P	Flight Service Station Personnel
FTS	Federal Telecommunications System

G/G	ground-ground
GA	general aviation
GAO	General Accounting Office
GDP	ground delay program
GEO	geostationary
GEOSAT	geostationary satellite
GICB	ground-initiated communications broadcast
GIS	Geographic Information System
GLONASS	Global Navigation Satellite System
GNSS	Global Navigation Satellite System
GNSSP	Global Navigation Satellite System Panel
GPRA	Government Performance and Results Act
GPS	Global Positioning System
GPWS	ground proximity warning system
GSA	General Services Administration
GUI	graphic user interface
GWDS	graphic weather display system
HARS	high-altitude route system
HCS	host computer system
HF	high frequency
HFDL	high frequency data link
HID	host interface device
HOCSR	Host/oceanic computer system replacement
Host	host computer
HQ	headquarters
HSI	human-system integration
HVAC	heating, ventilation, and air conditioning
H/W	hardware
IAP	instrument approach procedures
IAPA	instrument approach procedures automation
IAIPT	interagency air traffic management integration product team
IC	initial contact
ICAO	International Civil Aviation Organization
ICE-MAN	integrated computer environment–mainframe and networking
ICP	initial conflict probe
ICSS	Integrated Communications Switching System
IDS	Information Display System

IEEE	Institute of Electrical and Electronics Engineers
IF	interface
IFQA	integrated flight quality assurance
IFR	instrument flight rules
IGWDS	Interim Graphic Weather Display System
ILS	instrument landing system
IMC	instrument meteorological condition
IMCS	interim monitoring and control system
INFOSEC	information security
INS	inertial navigation system
IOC	initial operating capability
IP	Internet protocol
IPS	Internet protocol standards
IPT	integrated product team
IRM	information resources management
ISC	initial system capability
ISD	interim situation display
ISDN	Integrated Services Digital Network
ITMRA	Information Technology Management and Reform Act of 1996
ITSC	International Training Services Center
ITWS	Integrated Terminal Weather System
JRC	Joint Resources Council
KBps	kilobytes per second
kHz	kilohertz
LAAS	Local Area Augmentation System
LAN	local area network
LCCE	life-cycle cost estimate
LDRCL	low-density radio communications link
LEO	low earth-orbiting
LIDS	legacy information distribution system
LINCS	Leased Interfacility NAS Communications System
LIS	logistics inventory system
LIU	local interface unit
LLWAS	Low-Level Windshear Alert System
LOC	localizer
Loran-C	Long Range Navigation-C System

LRR	long-range radar
M	million
M&C	monitoring and control
MAR	Managed Arrival Reservoir Program
MC	multicenter
M1FC	Model 1 Full Capacity
MALSR	medium-intensity approach lighting system with runway alignment indicator lights
MARS	managed arrival reservoir
MASPS	minimum aviation system performance standards
MASS	maintenance automation system software
MBO (AIS)	military base operations (aeronautical information system)
MCC	maintenance control center
MCI	Mode-C intruder
MDCRS	Meteorological Data Collection and Reporting System
MDT	maintenance data terminal
MED	managed evolutionary development
MEO	medium earth-orbiting
MFD	multifunctional display
MHz	megahertz
MicroEARTS	Microprocessor En Route Automated Radar Tracking System
MIGFA	machine intelligent gust front algorithm
MIT/LL	Massachusetts Institute of Technology/Lincoln Laboratory
MLS	microwave landing system
MMAC	Mike Monroney Aeronautical Center
MMS	maintenance management system
MNS	mission need statement
Mode-S	Mode-Select (secondary radar discretely addressable mode with data link)
MOPS	minimum operational performance standard
MOU	memorandum of understanding
MPAR	multipurpose airport radar
MPS	maintenance processor subsystem
MSAW	minimum safe altitude warning
MSN	message switch network
NADIN	National Airspace Data Interchange Network
NAIMS	National Airspace Information Monitoring System
NAS	National Airspace System
NASMAP	NAS management automation program

NAS RD	NAS Requirements Document
NASA	National Aeronautics and Space Administration
NASDAC	NAS Data Analysis Center
NASPAS	NAS Performance Analysis System
NATCA	National Air Traffic Controllers Association
Navaid	navigation aid
NCAR	National Center for Atmospheric Research
NCEP	National Center for Environmental Prediction
NDB	nondirectional beacon
NDI	nondevelopmental item
NEPA	National Environmental Policy Act
NESDIS	National Environmental Satellite, Data, and Information Service
NEXCOM	next-generation air-ground communications system
NEXRAD	next-generation weather radar
NIC	network interface card
NIM	NAS infrastructure management
NIS	NAS-Wide Information System
NIST	National Institute of Standards and Technology
NLDN	National Lightning Detection Network
NMAC	near midair collision reports
NMCC	National Maintenance Coordination Center
nmi	nautical mile
NMS	NAS management subsystem
NNCC	national network control center
NOAA	National Oceanic and Atmospheric Administration
NOCC	national operations control center
NOPAC	North Pacific Ocean
NORAD	North American Aerospace Defense Command
NOTAM	notice to airmen
NPIAS	National Plan of Integrated Airport Systems
NPF	NIM premier facility
NPR	National Performance Review
NRC	National Research Council
NRP	National Route Program
NSF	National Science Foundation
NSSL	National Server Storms Laboratory
NTSB	National Transportation Safety Board
NWS	National Weather Service
NWSTG	NWS telecommunications gateway

OAG	Official Airline Guide
OASIS	Operational and Supportability Implementation System
OATS	Office Automation Technology Services
OCC	operations control center
OCS	offshore computer system
OCS-R	offshore computer system rehost
ODAPS	Oceanic Display and Planning System
ODID	operational display and input development
ODL	oceanic data link
ODMS	Operational Data Management System
OE/AAA	obstruction evaluation/airspace and airport analysis
OFDPS	Offshore Flight Data Processing System
OMB	Office of Management and Budget
OPI	office of primary interest
OPS	operations
ORD	operational readiness demonstration
ORMT	Operations Resource Management Team
OS&H	occupational safety and health
OSO	Office of System Operations
OTMS	Oceanic Traffic Management System
P ³ I	preplanned product improvement
PABX	public automatic branch exchange
PAMRI	peripheral adapter module replacement item
PAPI	precision approach path indicator
PASS	Professional Airways Systems Specialists (union)
PBX	private branch exchange
PCB	polychlorinated biphenyl
PCB&T	Personnel, Compensation, Benefits and Travel
PDC	predeparture clearance
PDE-P	Planning, Development, and Evaluation Personnel
PDM	predefined message
PDT	product development team
pFAST	passive final approach spacing tool
PFC	Passenger Facility Charge
PIDP	Programmable Indicator Processor
PIREP	pilot report
PMCS	programmable modular communications system

PNIM	prototype NIM
PPS	precise positioning service
PPSS	Portable Performance Support System
PRI	primary rate interface
PRM	parallel runway monitor
PSN	packet switch network
PVD	plan view display
R-side	radar side
RADS	radar and alphanumeric display subsystem
RAIM	receiver autonomous integrity monitoring
RCAG	remote communications air-ground
RCE	radio control equipment
RCL	radio communications link
RCOM	recovery communications
RD	Requirements Document
RDA	radar data acquisition
RDP	radar data processing
RDVS	rapid deployment voice switch
R,E&D	research, engineering, and development
REDAC	Research, Engineering, and Development Advisory Committee
REGIS	Regional Information Service
REQIS	requirements information system
RFDP	replacement flight data printers
RGCSP	Review of the General Concept of Separation Panel
RIR	runway incursion reduction
RMC	Resource Management Council
RMMS	remote maintenance monitoring system
RMS	remote maintenance sensor
RNAV	area navigation
RNP	required navigation performance
ROCC	regional operational command center (NORAD)
RPG	radar product generator
RTA	required time of arrival
RTCA	RTCA, Incorporated
RTR	radio transceiver
RVR	runway visual range
RVSM	reduced vertical separation minima

SAIDS	Systems Atlanta Information Display System
SAMS	special use airspace management system
SAR	search and rescue
SARP	standard and recommended practices
SATCOM	satellite communications
SAT NAV	satellite navigation
SC	single center
SDP	surveillance data processor
SEOAT	System Engineering Operational Analysis Team
SFO	San Francisco International Airport
SI	selective interrogation
SIAP	standard instrument approach procedures
SIGMET	significant meteorological information
SLEP	service life extension program
SLIM	software life-cycle model
SMA	Surface Movement Advisor
SMO	system maintenance and operations
SMS	surface management system
SOC	service operations center
SPAS	Safety Performance Analysis Subsystem
SSC	system service component
SSR	secondary surveillance radar
STAR	space transportation analysis and research
STARS	Standard Terminal Automation Replacement System
STC	supplemental type certificate
STDMA	self-organized time division multiple access
STVS	small tower voice switch
SUA	special use airspace
S/W	software
TACAN	tactical air navigation
TAWS	Terrain Alert and Warning System
TCA	two-controller access
TCAS	Traffic Alert and Collision Avoidance System
TCW	terminal controller workstation
TDLS	tower data link services
TDSS	TFM Decision Support System
TDW	tower display workstation
TDWR	terminal Doppler weather radar

TERP	terminal instrument procedures
TFM	traffic flow management
TIS	Traffic Information Service
TMA	Traffic Management Advisor
TMA MC	Traffic Management Advisor Multicenter
TMA SC	Traffic Management Advisor Single Center
TMC	traffic management coordinator
TML	television microwave link
TMS	traffic management specialist
TMU	traffic management unit
TOC	transfer of communications
TP	telecommunications processor
TRACON	terminal radar approach control
TRM	technical reference model
TSO	technical standard order
TWDL	two-way data link communications
TWIP	Terminal Weather Information for Pilots
TWS	Terminal Weather Service
U.S.	United States
U.S.C.	United States Code
UAT	universal access transceiver
UHF	ultra high frequency
URET CCLD	User Request Evaluation Tool core capabilities limited deployment
VASI	visual approach slope indicator
VDL	very high frequency digital link
VFR	visual flight rules
VHF	very high frequency
VOR	VHF omnidirectional range
VORTAC	VOR co-located with TACAN facilities
VPD	vehicle/pedestrian deviation
VPN	virtual private network
VSCS	voice switching and control system
VSRS	Voice Switch Replacement System
WAAS	Wide Area Augmentation System
WAN	wide area network
WARP	weather and radar processor

WC	work center
WIC	weather in the cockpit
WIS	Workload Information System
WJHTC	William J. Hughes Technical Center
WMSCR	weather message switching center replacement
WS	workstation
WSDDM	weather support to de-icing decisionmaking
WSP	weather system processor
WV	Wake Vortex
Wx	weather
WxP	weather processor
Y2K	Year 2000
ZAN	Anchorage ARTCC
ZHN	Honolulu ARTCC
ZSU	San Juan ARTCC

