

Federal Aviation Administration

National Airspace System

Capital Investment Plan

Appendix D

Fiscal Years 2009 – 2013



## LIST OF ACRONYMS AND ABBREVIATIONS

<b>A</b>	
A/G	air-to-ground
ABAS	aircraft based augmentation system
ACE-IDS	automated surface observing system controller equipment information display system
ADAPT	automatic detection and processing terminal
ADAS	automated weather observation data acquisition system
ADIZ	air defense identification zone
ADS-B	automatic dependent surveillance-broadcast
ADS-C	automatic dependent surveillance-contract
ADS-R	automatic dependent surveillance- rebroadcast
ADSIM	airfield delay simulation model
AEFS	advanced electronic flight strip system (intro only used once)
AFS	Office of Flight Standards Service
AFS-400	FAA Flight Technologies and Procedures Division
AFSM	Alaskan flight service modernization
AFSS	automated flight service station
AIM	aeronautical information management
AIO	Office of the Chief Information Officer
AIR	FAA Aircraft Certification Service
AISR	aeronautical information system replacement
AIXM	aeronautical information exchange model
ALL	assimilate lessons learned
ALSF-2	approach lighting system with sequenced flashing light model 2
ALSIP	approach lighting system improvement program
ALTRV	altitude reservations
AMASS	airport movement area safety system
AMC	Mike Monroney Center
AMP	airspace management program
ANF	air navigation facilities
ANICS	Alaskan national airspace system interfacility communications system
ANSP	air navigation service providers
ARE	aircraft and related equipment
ARMT	airport resource management tool
ARSR	air route surveillance radar
ARTCC	air route traffic control center
ARTS	automated radar terminal system
ASAS	aviation safety analysis system
ASD	aircraft situation display
ASDE-3	airport surface detection equipment – model 3
ASDE-X	airport surface detection equipment – model x
ASDP	advanced signal data processor
ASI	aviation safety inspectors
ASKME	aviation system knowledge management environment
ASOS	automated surface observing system
ASR	airport surveillance radar
ASR-7, 8, 9, 11	airport surveillance radar model 7, 8, 9, and 11
ASWON	automated surface weather observation network

ATC	air traffic control
ATCAA	air traffic control assigned airspace
ATCBI	air traffic control beacon interrogator
ATCBI-4, 5, and 6	air traffic control beacon interrogator model 4, 5, and 6
ATCSCC	air traffic control system command center
ATCT	airport traffic control tower
ATDP	advanced technology development prototyping
ATM	air traffic management
ATO	Air Traffic Organization
ATOMS	air traffic operations management system
ATOP	advanced technologies and oceanic procedures
AVN	Office of Aviation System Standards
AVS	Office of Aviation Safety
AWOS	automated weather observing system
AWSS	automated weather sensor systems
<b>B</b>	
BLI	budget line item
BOS	beacon only sites
<b>C</b>	
C3	Command and control communications
CAEG	computer aided engineering graphics
CARF	central altitude reservation facility
CARTS	common-automated radar tracking system
CAASD	Center for Advanced Aviation System Development
CAST	commercial aviation safety team
CATM	collaborative air traffic management
CATMT	collaborative air traffic management technologies
CBI	computer-based instruction
CDA	continuous descent approach
CDTI	cockpit display of traffic information
CERAP	center radar approach control
CERCLA	Comprehensive Environmental Response and Liability Act
CFE	communications facilities enhancement
CIO	chief information officer
CIP	capital investment plan
CIWS	corridor integrated weather system
CM	configuration management
CNS	communications, navigation and surveillance
COI	community of interest
Conops	concept of operations
COTS	commercial off-the-shelf
CP	change proposal
CSMC	cyber security management center
CSPR	closely spaced parallel runways
CTAS	center TRACON automation system
CWP	corporate work plan
<b>D</b>	
3-D	three dimensional
4-D	four dimensional
DFM	departure flow management
DASI	Digital altimeter setting indicator
DELPHI	DOT accounting system

DHS	Department of Homeland Security
DINS	defense internet NOTAM service
DME	distance measuring equipment
DOCCON	document control
DoD	Department of Defense
DOT	Department of Transportation
DOTS	dynamic ocean tracking system
DS/PP	designee supervision/past performance
DSP	departure spacing program
DSR	display system replacement
DUATS	direct user access terminal system
<b>E</b>	
EA	enterprise architecture
EBUS	enhanced backup surveillance
ECG	en route communication gateway
EDA	en route descent advisor
EDA	engineering design approval
EDDA	environmental due diligence audit
EFS	electronic flight strip
EFSTS	electronic flight strip system
EMS	environmental management system
EON	emergency operations network
EOSH	environmental & occupational safety and health
EPA	Environmental Protection Agency
EPI	enhanced precipitation identifiers
ERAM	en route automation modernization
ERIDS	en route information display
ERTSS	en route training simulation system
ETMS	enhanced traffic management system
ETVS	enhanced terminal voice switches
<b>F</b>	
FAA	Federal Aviation Administration
FAALC	FAA logistics center
FAROS	final approach runway occupancy signal
FBW	fly by wire
FDIO	flight data input/output
FDP	flight data processor
FFRDC	federally funded research and development center
FI	flight inspection
FIS-B	flight information service – broadcast
FISMA	Federal Information Security Management Act
FLP	full LPV performance
FM	frequency modulated
FS-21	flight service automation system
FSRM	facility security risk management
FSS	flight service station
FST	fuel storage tank
FTI	FAA telecommunications infrastructure
FY	fiscal year
<b>G</b>	
G/G	ground to ground
GA	general aviation

GBAS	ground based augmentation system – wide area augmentation system
GDP	gross domestic product
GEO	geosynchronous communication satellite
GLS	GNSS landing system
GNSS	global navigation satellite system
GPS	global positioning system
GUS	ground uplink station
<b>H</b>	
HAATS	Houston area air traffic system
HADDS	host air traffic management data distribution system
HAZMAT	hazardous materials
HAD	high density airport
HPDME	high power distance measuring equipment
HF	high frequency
HSPD	Homeland Security Presidential Directive
<b>I</b>	
IAPA	instrument approach procedures automation
ICAO	International Civil Aviation Organization
IDL	interference detection, location and mitigation
IDMS	identity management system
IDS	information display system
IFF	identification friend or foe
IFPA	instrument flight procedures automation
IFR	instrument flight rule
ILS	instrument landing system
IOC	initial operating capability
IPT	integrated product team
IS	information system
ISO	international standards organization
ISS	information systems security
ISTS	interactive simulation training system
IT	information technology
ITWS	integrated terminal weather system
IVSR	interim voice switch replacement
<b>J</b>	
JAWS	Juneau airport wind system
JPDO	joint planning and development
JRC	joint resources council
<b>L</b>	
L5	additional frequency for GPS satellites
LAAS	local area augmentation system
LAACS	logical access and authorization control service
LAHSO	land and hold short operations
LAN	local area network
LCGS	low cost ground surveillance
LCSS	logistical center support system
LIS	logistics and inventory system
LLWAS	low-level wind shear alert system
LNAV	lateral navigation
LOB	line of business
LOAP	low overhead array processors

LP	localizer performance
LPDME	low power distance measuring equipment
LPV	lateral precision with vertical guidance
LRR	long-range radar
LRU	line replaceable units
LSS	logistics support services
LSSF	logistics support system and facilities
<b>M</b>	
MADE	military airspace data entry
MALSR	medium-intensity approach light system with runway alignment indicator lights
MASPS	minimum aviation system standards
MDR	multimode digital radio
MEARTS	microprocessor en route automated radar tracking system
MF	maintenance facility
MIA	minimum IFR altitude
MIAWS	medium intensity airport weather system
MILOPS	military operations
MLAT	multilateration
MMAC	Mike Monroney Aeronautical Center
MOIE	mission oriented investigation and experimentation
MOPS	minimum operational performance standards
MBP	multi-purpose building
MSAD	monitor safety and analyzed data
MSRD	monitor safety related data
MVA	minimum VFR altitude
<b>N</b>	
NAFIS	next generation flight inspection system
NAIMES	national airspace system aeronautical information management enterprise system
NAP	next generation automation platform
NAS	national airspace system
NASA	National Aeronautics and Space Administration
NASE	NAS adaptive services environment
NASR	national airspace system resources
Nav aids	navigation aids
NDB	non-directional beacon
NDS	NOTAM distribution system
NEO	net enabled operations
NEXCOM	next generation air/ground communications
NEXRAD	next generation weather radar
NextGen	next generation air transportation system
NFRAP	no further remedial action planned
NG	next generation
NGVRRP	next generation voice recorder replacement program
NISC	national airspace system implementation support contract
NLDN	national lightning detection network
NEW	NextGen network enabled weather
NOCC	network operations control center
NOTAM	notice to airmen
NTSB	National Transportation Safety Board
NVS	national airspace system voice switch
NWS	National Weather Service

<b>O</b>	
OASIS	operational and supportability implementation system
OCS	operational control segment
OCX	modernized operational control segment
OEP	operational evolution partnership
OFDPS	offshore flight data processing system
OMB	Office of Management and Budget
OPM	Office of Personnel Management
Ops	Operations
ORD	Operational readiness demonstration
OSHA	Occupational Safety and Health Administration
OSPe	oversee system performance - external
OSPi	oversee system performance - internal
OTA	other transactions agreements
OT&E	Operational test and evaluation
<b>P</b>	
P3I	pre-planned product improvement
PACS	physical access control system
PAPI	precision approach path indicator
PATM	performance-based air traffic management
PBWP	product based work plan
PCB	polychlorinated biphenyl
PCS	Permanent change of station
PDARS	performance data analysis and reporting system
PDR	preliminary design review
PIREPS	pilot reports
PLM	programming language for microcomputers
PNT	position, navigation and timing
PPS	precision positioning service
PRM	precision runway monitor
PWA	printed wire assembly
<b>R</b>	
R #	release number
RA	resolution advisory
RAPT	route availability planning tool
RBRT	risk based resource targeting
RCAG	remote center air/ground
RCE	radio control equipment
RCISS	regulation and certification infrastructure system safety
RCOM	recovery communications
RCU	remote control unit
RDA	radar data acquisition
REIL	runway end identifier lights
REL	runway entrance lights
RFI	radio frequency interference
RIL	runway intersection lights
RIRP	runway incursion reduction program
RNAV	area navigation
RNP	required navigation performance
RPM	revenue passenger mile
RTP	resource tracking program
RVR	runway visual range



RWI	reduce weather impact
RWSL	runway status lights
<b>S</b>	
SAIDS	system Atlanta information display system
SAMS	special use airspace management system
SASO	system approach for safety oversight
SAT	site acceptance test
SAWS	standalone weather sensors
SBAS	space based augmentation system – local area augmentation system
SBS	surveillance and broadcast services
SC	special committee
SCAP	security certification and authorization process
SETA	system engineering and technical assistance.
SID	standard instrument departure
SITS	security integrated tool set
SLEP	service life extension program
SMA	surface management advisor
SMO	system maintenance office
SMP	strategic management process
SMS	safety management system
SO	staff office
SPS	standard positioning service
SR	system requirements
STAR	standard terminal arrival routes
STARS	standard terminal automation replacement system
STB	system training building
STC	sensitivity time constant
STD	Standard
SUA	special use airspace
SWIM	system-wide information management
<b>T</b>	
TACAN	tactical air navigation antenna
TAMR	terminal automation modernization replacement
TBM	trajectory based management
TBO	trajectory based operations
TCAS	traffic alert and collision avoidance system
TDDS	terminal data distribution system
TDLS	tower data link service
TDWR	terminal Doppler weather radar
TFDM	tower flight data manager
TFM	traffic flow management
TFM-M	traffic flow management modernization
TFMS	traffic flow management system
THL	takeoff hold lights
TIS-B	traffic information service-broadcast
TMA	traffic management advisor
TMA-SC	traffic management advisor - single center
TMU	traffic management unit
TR	technical refresh
TRACON	terminal radar approach control
TSD	traffic flow management situation display
TSO	technical standard order

TSS	technical support services
TSSC	technical support services contract
TVSR	terminal voice switch replacement
TWIP	terminal weather information for pilots
<b>U</b>	
UAS	unmanned aircraft system
UAT	universal access transceiver
UHF	ultra high frequency
UIS	unstaffed infrastructure sustainment
URET	user request evaluation tool
USNS	U.S. Notices to Airmen system
<b>V</b>	
VASI	visual approach slope indicator
VCE	VSCS common equipment
VHF	very high frequency
VLJ	very light jet
VNAV	vertical navigation
VOR	very high frequency omni-directional range
VORTAC	very high frequency omni-directional range collocated with tactical air navigation
VRRP	voice recorder replacement program
VSCS	voice switching and control system
VT	virtual tower
VTABS	VSCS training and backup system
<b>W</b>	
WAAS	wide area augmentation system
WARP	weather and radar processor
WAT	work activity tracking
WINS	weather information network server
WJHTC	William J. Hughes Technical Center
WM/LAT	wide area multilateration
WMSCR	weather message switching center replacement
WP	work package
WRS	WAAS reference stations
WSP	weather systems processor
WT	Wake turbulence
WTMA	wake turbulence mitigation for arrivals
WTMD	wake turbulence mitigation for departures
WTMSR	wake turbulence mitigation for single runway
WTS	work tracking software
WX	Weather