

GLOSSARY OF ABBREVIATIONS AND ACRONYMS

µm	micrometer	AMEL	active matrix electroluminescent display
2D	two dimensional	AMLCD	active matrix liquid crystal display
3D	three dimensional	AMNS	Airborne Mine Neutralization System
4D	four dimensional (three dimensional plus time)	AMOLED	active matrix organic light-emitting diode
		AMRAAM	Advanced Medium Range Air-to-Air Missile
A		AMRFS	Advanced Multifunction Radio Frequency System
A/C	aircraft	AMW	amphibious warfare
A/D	analog to digital	ANCS	Advanced Nuclear Clutter Simulator
AA	active armor	ANL	Armstrong National Laboratory
AAAV	Advanced Amphibious Assault Vehicle	AOA	angle of attack
AAN	Army After Next	AP	antipersonnel
AAW	active aeroelastic wing	APS	Active Protections System
ABCA	America–Britain–Canada–Australia	ARC	Automotive Research Center
ABIS	Advanced Battlespace Information System	ARCAT	Advanced Rotorcraft Aeromechanics Technology
ABL	airborne laser	ARDEC	Armament Research, Development and Engineering Center
ABS	agent-based system	ARM	antiradiation missile
ac	alternating current	ARPI	DARPA Rome Planning Initiative
ACBL	Amphibious Cargo Beaching Lighter	ART II	Advanced Rotorcraft Transmission
ACN	airborne communications node	As	arsenide
ACTD	Advanced Concept Technology Demonstration	ASAS	All-Source Analysis System
ADC	Acoustic Device Countermeasure	ASAT	antisatellite
ADCAP	advanced capability	ASBREM	Armed Services Biomedical Research Evaluation and Management
ADN	explosive ingredient	ASCI	Accelerated Strategic Computing Initiative
ADW	Agent Defeat Warhead	ASCM	antiship cruise missile
AFATDS	Advanced Field Artillery Tactical Data System	ASM	air-to-surface missile
AFRL	Air Force Research Laboratory	ASMT	air superiority missile technology
AFSATCOM	Air Force Satellite Communications Command	ASTAMIDS	Airborne Standoff Minefield Reconnaissance and Detection System
AFSPC	Air Force Space Command	ASTE	Advanced Strategic and Tactical Infrared Expendable
Ag	silver	ASTOVL	advanced short takeoff/vertical landing
AGARD	Advisory Group for Aerospace Research and Development	ASW	antisubmarine warfare
AGE	aerospace ground equipment	AT	antitank
AHM	antihelicopter mine	ATACMS	Army Tactical Missile System
AI	artificial intelligence	ATD	Advanced Technology Demonstration
AIEWS	Advanced Integrated Electronic Warfare System	ATEGG	advanced turbine engine gas generator
AIM	advanced ISR management	ATIRCM	Advanced Threat Infrared Countermeasures
AIN	Army Interoperability Network	ATIRP	Advanced Telecommunications and Information Distribution Research Program
AJ	antijam		
AJP	Advanced Joint Planning	ATM	asynchronous transfer mode
Al	aluminum	ATR	automatic target recognition
ALC	air logistics center	ATT	Antitorpedo Torpedo
ALEP	advanced laser eye protection	AUP	Advanced Unitary Penetrator
ALMDS	Airborne Laser Mine Detection System	AUV	autonomous underwater vehicle
A-LOC	Almost Loss of Consciousness	AVS	automated video surveillance
ALP	Advanced Logistics Program	AWACS	Airborne Warning and Control System
AMC	Army Mobility Command	AWE	advanced warfighting experiment
AMDS	Advanced Mine Detector System		

B

B/OT	boost and orbit transfer
Ba	barium
BADD	Battlefield Awareness and Data Dissemination
BAT	Brilliant Antitank
BC ²	battlespace command and control
BDA	battle damage assessment
BDS-D	Battlefield Distributed Simulation— Development
BFTT	Battle Force Tactical Trainer
BFVS	Bradley Fighting Vehicle System
BiFET	bipolar field effect transistor
B-ISDN	Broadband Integrated Services Digital Network
BM	battle management
BMDO	Ballistic Missile Defense Organization
BP	battle planning
bps	bits per second
BRP	Basic Research Plan
BW	biological warfare
BZ	battle zone

C

c	centi
C&ST	computing and software technology
C/C	carbon/carbon
C ²	command and control
C ² I	command, control, and intelligence
C ² V	command and control vehicle
C ² W	command and control warfare
C ³	command, control, and communications
C ³ I	command, control, communications, and intelligence
C ⁴	command, control, communications and computers
C ⁴ I	command, control, communications, computers, and intelligence
C ⁴ IEW	command, control, communications, computers, and intelligence electronic warfare
CAD	computer-aided design
CAE	computer-aided engineering
cal/cm ²	calories per square centimeter
CALCM	conventional air-launched cruise missile
CAP	combat air patrol
CAPS	Counteractive Protection System
CAPTOR	Encapsulated Torpedo
CASE	computer-aided software engineering
CAV	composite armored vehicle; combat air vehicle
CB	chemical/biological
CBASS	Common Broadband Advanced Sonar System
CBR	chemical, biological, and radiological
CBW	chemical/biological warfare
CC	coupled cavity
CC&D	countercamouflage, concealment, and deception

CCD	charged coupled device
CCE	combined-cycle engine
CCM	counter-countermeasure
CCTT	Close Combat Tactical Trainer
Cd	cadmium
CEE	collaborative enterprise environments
CEC	cooperate engagement capability
CEP	circular error probable
CFC	Combined Forces Command
CFD	computational fluid dynamics
CFOR	command forces
CGF	computer-generated force
CGS	common ground station
CIC	combat information center
CID	combat identification
CINC	commander-in-chief
CINCPAC	Commander-in-Chief Pacific Command
CIS	Chemical Imaging System; Combat Information System
CIWS	Close-In Weapon System
CJTF	Commander, Joint Task Force
CKEM	Compact Kinetic Energy Missile
C _L	lift coefficient
CLZ	clearance zone
cm	centimeter
CM	countermeasure; countermobility
CMC	ceramic-matrix composite
CMMS	Conceptual Model of the Mission Space
CMOS	complementary metal oxide semiconductor
CMT	Continuous Moldline Technology
COA	course of action
COAA	course of action analysis
COBRA	Coastal Battlefield Reconnaissance and Analysis
COIL	chemical oxygen-iodine laser
CONUS	continental United States
COP	common operational picture
CORBA	Common Object Request Broker Architecture
COTS	commercial off the shelf
CP	command post
CPoF	command post of the future
CRDA	cooperative research and development agreement
CSA	Common Support Aircraft
CSS	combat service support
Cu	copper
CVX	Aircraft Carrier Experimental
CW	chemical warfare; continuous wave; conventional weapons

D

D/A	digital to analog
D ²	damage/destroy
DARE	Data Archival and Retrieval Enhancement
DARO	Defense Airborne Reconnaissance Office
DARPA	Defense Advanced Research Projects Agency
dB	decibel

DBC	Digital Battlefield Communications	EFOGM	Enhanced Fiber Optic Guided Missile
DBS	Direct Broadcast Satellite	EFP	explosively formed projectile
dc	direct current	EHF	extremely high frequency
DCA	dual-capable aircraft	EIT	electronics integration technology
DDB	dynamic database	ELINT	electronic intelligence
DDR&E	Director of Defense Research and Engineering	ELV	expendable launch vehicle
DDS	direct digital synthesis	EM	electromagnetic
DE	directed energy	EMC	electromagnetic compatibility
DEA	data exchange agreement	EMD	engineering manufacturing development
DEEM	Dynamic Environmental Effects Model	EM-I	Effects Manual I
DET	distributed explosive technology	EMP	electromagnetic pulse
DEW	directed-energy weapon	EO	electro-optic(al)
DF	direction finding	EOB	Electronic Order of Battle
DI&S	Design Integration and Supportability	EOD	explosive ordnance disposal
DIF	data interchange format	EP	electronic protection
DIFM	digital intermediate frequency modulator	EPA	Environmental Protection Agency
DII	Defense Information Infrastructure (DOE)	EPS	electrical power system
DIRCM	directed infrared countermeasure	EQ	environmental quality
DIS	distributed interactive simulation	ERA	explosive reactive armor
DISA	Defense Information Systems Agency	ERD	Extended-Range Demonstration
DISN	Defense Information Systems Network	ERGM	extended-range gun munition
DIW	defensive information warfare	ES	electronic support
DMIF	Dynamic Multi-User Information Fusion	ESA	electronically scanned array
DMSO	Defense Modeling and Simulation Office	ESM	electronic support measure
DNA	deoxyribonucleic acid	ESSM	Evolved Sea Sparrow Missile System
DNAPL	dense, nonaqueous phase liquid	ETC	electrothermal-chemical
DOC	Department of Commerce	ETEC	Enterotoxigenic <i>Escherichia coli</i>
DOE	Department of Energy	EW	electronic warfare
DOJ	Department of Justice		
DOT	Department of Transportation	F	
DRE	ducted rocket engine	FAA	Federal Aviation Administration
DRFM	digital radio frequency modulator	FBI	Federal Bureau of Investigation
DRTF	DECADE Radiation Test Facility	FCS	Future Combat System
DS2	decontamination solution 2	FCV	Future Combat Vehicle
DSP	digital signal processor (ing)	FDA	Food and Drug Administration
DSPW	digital stereo photogrammetric workstation	FED	field emission device
DSUP	defense system upgrade	FEL	free electron laser
DTAP	Defense Technology Area Plan	FEMA	Federal Emergency Management Agency
DTO	Defense Technology Objective	FIV	Future Infantry Vehicle
DTRA	Defense Threat Reduction Agency	FLCD	ferro-electric liquid crystal display
DU	depleted uranium	FLEX	force-level execution
DUAP	dual-use application program	FLIR	forward-looking infrared
DUSD	Deputy Undersecretary of Defense	FLOP	floating point operation
DUSD(ES)	Deputy Under Secretary of Defense (Environmental Security)	FMST	Future Missile System Technology
DUSD(S&T)	Deputy Under Secretary of Defense (Science and Technology)	FMTI	Future Missile Technology Integration
DVE	drivers vision enhancer	FO	forward observer
DWHRP	Defense Women's Health Research Program	FOC	full operating capability
		FOG	fiber optic guided
E		FOTT	follow-on to TOW
EA	electronic attack	FOV	field of view
ECCM	electronic counter-countermeasure	FPA	focal plane array
ECM	electronic countermeasure	FPA	focal plane array
EDCS	Evolutionary Design of Complex Software	FSCS	Future Scout and Cavalry System
EELV	evolved expendable launch vehicle	FSTP	Full-Spectrum Threat Protection
		FSU	former Soviet Union
		ft/s	feet per second
		FWV	fixed-wing vehicle
		FWVP	Fixed-Wing Vehicle Program
		FXXILW	Force XXI Land Warrior
		FY	fiscal year

G

G	giga
g	gram; gravity
G&C	guidance and control
Ga	gallium
G-ALOC	G-Induced Almost Loss of Consciousness
GBCS-L	Ground-Based Common Sensor–Light
GBI	Ground-Based Interceptor
GBL	ground-based laser
Gbps	gigabit per second
GBR	ground-based radar
GBS	Global Broadcast Satellite
Ge	germanium
G–Eng	general engineering
GEO	geosynchronous Earth orbit
GEOSAT	geosynchronous satellite
GFLOP	giga-floating point operations
GHz	gigahertz
GIF	guidance integrated fuzing
GIS	Geographic Information System
G-LOC	G-Induced Loss of Consciousness
GloMo	Global Mobile Information System
GMLRS	Guided Multiple Launch Rocket System
GN&C	guidance, navigation, and control
GOSC	General Officer Steering Committee
GP	guided projectile
GPADS	Guided Parafoil Air Delivery System
GPS	Global Positioning System
GSTAMIDS	Ground Standoff Mine Detection System
GW	gross weight; gigawatt
Gy	Gray; international unit of measure for radiation absorption by biological tissues; 1 Gy = 100 rads

H

H	hydrogen
H/CF	hydrocarbon fuels
HACT	Helicopter Active Control Technology
HARM	High-Speed Antiradiation Missile
HBT	heterojunction bipolar transistor
HCTR	high-capacity trunk radio
HD	sulphur mustard (distilled)
HE	high explosive
HEL	high-energy laser
HELSTF	High-Energy Laser System Test Facility
HEMP	high-altitude electromagnetic pulse
HEXSAT	Nanosatellite System Concept
HF	high frequency; hydrogen fluoride (lases at 2.8 μm)
Hg	mercury
HHS	high-heat-sink
HIMARS	High Mobility Artillery Rocket System
HIQUAMS	High-Quantity Antimaterial Submunition
HIV	human immunodeficiency virus
HLA	high-level architecture
HM&E	hull, mechanical, and electrical
HMD	helmet-mounted display
HMS+	Helmet-Mounted Sight–Plus

HMSE	helmet-mounted sensory ensembles
HMT/D	helmet-mounted tracker/display
hp	horsepower
HPAC	hazard prediction assessment capability
HPC	high-performance computer(ing)
HPKB	high-performance knowledge base
HPM	high-power microwave
HRD	human resource development
HRR	high-resolution radar
HSLA	high strength, low alloy
HSTAMIDS	Hand-Held Standoff Mine Detection System
HTS	high-temperature superconductor
HWIL	hardware-in-the-loop
Hz	hertz

I

I&W	intelligence and warning
I/O	input/output
I ² R	imaging infrared
IADS	Integrated Air Defense System
IBAS	Improved Bradley Acquisition System
IC	individual combatant; integrated circuit
ICAP	improved capability upgrade
ICBM	intercontinental ballistic missile
ICWC	Integrated Comprehensive Weaponneering Capability
ID	identification; integrated depressive ECM
ID&PE	information display and performance enhancement
IDIP	Intrusion, Detection, and Isolation Protocol
IEEE	Institute of Electrical and Electronic Engineers
IEWCS	Intelligence Electronic Warfare Common Sensor
IEFT	Internet Engineering Task Force
IFF	identification friend or foe
IFOG	interferometric fiber optic gyro
IHRPRT	Integrated High-Payoff Rocket Propulsion Technology
IHPDET	Integrated High-Performance Turbine Engine Technology
IIR	imaging infrared
ILIR	In-House Laboratory Independent Research
IM	insensitive munition
IMAD	information management, assurance and distribution
IMAT	interactive multisensor analysis training
IMF	intelligent minefield
IMINT	imagery intelligence
IMIS	Integrated Maintenance Information System
IMPRINT	Improved Performance Research Integration Tool
IMU	inertial measurement unit
In	indium
INS	Inertial Navigation System
INT	integrated
IOC	initial operating capability

IP	Internet protocol	JSWILD	Joint Service Chemical Warning and Identification LIDAR Detector
IPE	integrated platform electronics	JTB	Joint Technology Board
IPng	Internet protocol, next generation	JTCG	joint technical coordinating group
IPPD	integrated product and process development	JTCOPS	Joint Transportable Collective Protection System
IPT	integrated product team	JTCTS	Joint Tactical Combat Training System
IR	infrared	JTF	Joint Task Force
IR&D	independent research and development	JTR	Joint Transport Rotorcraft
IRCM	infrared countermeasure	JTRS	Joint Tactical Radio System
IRFPA	infrared focal plane array	JWARS	Joint Warfare Simulation
IRST	infrared search and track	JWCO	Joint Warfighting Capabilities Objective
ISAR	inverse synthetic aperture radar	JWID	Joint Warrior Interoperability Demonstration
ISDN	Integrated Services Digital Network	JWSTP	Joint Warfighting Science and Technology
Isp	theoretical-specific impulse		
ISR	intelligence, surveillance, and reconnaissance	K	
IST	Information Systems Technology	K	kelvin
ISTD	Integrated Space Technology Demonstration	k	kilo
ISWIMS	Improved Shallow Water Influence Minesweeping System	kbps	kilobits per second
ITAS	Improved Target Acquisition System	KE	kinetic energy
ITD	Integrated Technical Demonstration	KEAS	knots equivalent airspeed
IVMMD	Interim Vehicle-Mounted Mine Detector	keV	kilo electron volt
IW	information warfare	KEW	kinetic energy warhead
		kg	kilogram
J		kHz	kilohertz
JASSM	Joint Air-to-Surface Standoff Missile	km	kilometer
JAST	Joint Attack Strike Technology	kW	kilowatt
JBPDS	Joint Biological Point Detection System		
JCATS	Joint Conflict and Tactical Simulation	L	
JCBAWM	Joint Chemical/Biological Agent Water Monitor	L/D	lift-to-drag ratio
JCS	Joint Chiefs of Staff	L/V	lethality/vulnerability
JDAM	Joint Direct Attack Munition	LADAR	laser radar
JDP	Joint Defense Planner	LAMD	lightweight airborne multispectral detection
JETC	jet engine test cell	LAN	local area network
JFACC	Joint Force Air Component Commander	LANL	Los Alamos National Laboratory
JHMCS	Joint Helmet-Mounted Cueing System	LANTIRN	Low-Altitude Navigation Targeting Infrared for Night
JIC	Joint Intelligence Center	LAV	light armored vehicle
JMASS	Joint Modeling and Simulation System	LB/TS	Large Blast/Thermal Simulator
JMCIS	Joint Military Command Information System	lbf	foot-pound-force
JORD	Joint Operational Requirements Document	LBRM	Laser Beamrider Missile
JPATS	Joint Primary Aircrew Training System	LBVDS	Lightweight, Broadband, Variable Depth Sonar
JPL	Jet Propulsion Laboratory	LCPK	Low-Cost Precision Kill
JPO	Joint Program Office	LELFAS	long-endurance, low-frequency active source
JROC	Joint Requirements Oversight Council	LEO	low Earth orbit
JSA	Joint Strike Aircraft	LFT&E	live fire test and evaluation
JSF	Joint Strike Fighter	LGW	laser-guided weapon
JSFXD	Joint Service Fixed-Site Decontamination	LHT	Lightweight Hybrid Torpedo
JSGPM	Joint Service General Purpose Mask	Li	lithium
JSIMS	Joint Simulation System	LIC	low-intensity conflict
JSLIST	Joint Service Lightweight Integrated Suit Technology	LLNL	Lawrence Livermore National Laboratory
JSOW	Joint Standoff Weapon	LMRS	Long-Term Mine Reconnaissance System
JSSD	Joint Service Sensitive Equipment Decontamination	LO	low observable
JSTARS	Joint Surveillance Target Attack Radar System		

LOCAAS	low-cost antiarmor submunition	MSRR	Modeling and Simulation Resource Repository
LOSAT	Line-of-Sight Antitank	MSTAR	Moving and Stationary Target Acquisition and Recognition
LOX	liquid oxygen	MTBF	mean time between failure
LPI/D	low probability of interception/detection	MTBR	mean time between replacement
LRAS ³	Long-Range Advanced Scout Surveillance System	MTI	moving target indicator; multithermal imaging
LRBDS	Long-Range Biological Standoff Detection System	MTV	MEA Technology Validation
LSM	Littoral Sea Mine	MURI	multiuniversity research initiative
LV	launch vehicle	MW	megawatt
LWIR	long wavelength infrared	MWIR	mid wavelength infrared
		MWS	Missile Warning Sensor
M		N	
M	Mach number; mega; magnesium	N	nitride
M&S	modeling and simulation	NAC	National Automotive Center
M/CM	mobility/countermobility	NASA	National Aeronautics and Space Administration
m/s	meters per second	NASM	National Air and Space [Warfare] Model
MAFET	microwave and analog front-end technology	NATO	North Atlantic Treaty Organization
MAJCOM	U.S. Air Force Major Command	NAVOCEANO	Naval Oceanographic Office
MANET	Mobile Ad Hoc Network	Nb	niobium
ManTech	manufacturing technology	NBC	nuclear/biological/chemical
MAT	multimode airframe technology	NBC-R	nuclear, biological, chemical, and radiological
MATCH	Modular Appliance Technologies, Centralized Heating	NCTR	noncooperative target recognition
MBE	molecular beam epitaxy	ND	sulfur mustard
MBMMR	multiband, multimode radio	NDE	nondestructive evaluation
Mbps	megabits per second	NDI	nondestructive inspection
MCC	microclimate conditioning	NEDT	noise-equivalent delta temperature
MCM	mine countermeasure; multichip module	NEMO	Navy EarthMap Observer
MCT	MOS-controlled thyristor	NFPA	National Fire Protection Agency
Me	mega electron	NHTSA	National Highway Traffic Safety Administration
MEA	More Electric Aircraft	NIAG	NATO Industrial Advisory Group
MEMS	microelectromechanical systems	NIF	National Ignition Facility
METOC	meteorology and oceanography	NIH	National Institutes of Health
MFLOP	mega-floating point operation	Ni	nickel
mg	milligram	N-ISDN	Narrowband Integrated Services Digital Network
MHz	megahertz	NIST	National Institute of Standards and Technology
MICLIC	mine clearing line charge	NMD	National Missile Defense
MILSATCOM	military satellite communications	nmi	nautical mile
MILSTAR	military strategic, tactical, and relay [satellite]	NMRS	Near-Term Mine Reconnaissance System
mips	millions of instructions per second	NOAA	National Oceanic and Atmospheric Administration
MIT	Massachusetts Institute of Technology	NODDS	Nuclear Optic Dynamic Display System
MIW	mine warfare	NORAD	North American Air Defense Command
MJ	megajoule	NOx	nitrous oxide
MLRS	Multiple Launch Rocket System	NPTC	National Parachute Technology Council
MLS	multilevel secure	NRDEC	Natick Research, Development, and Engineering Center
mm	millimeter	NRL	Naval Research Laboratory
MMC	metal-matrix composite	NRO	National Reconnaissance Organization
MMIC	monolithic microwave integrated circuits	NRTC	National Rotorcraft Technology Center
MMS	Marine Mineral Survey	NSA	National Security Agency
MMW	millimeter wave	NSF	National Science Foundation
Mn	manganese	NSS	Naval Simulation System
MOS	metal oxide semiconductor	NSSN	next-generation nuclear attack submarine
MOU	memorandum of understanding		
MOUT	Military Operations in Urbanized Terrain		
MPa	megapascals		
MPM	microwave power module		
MPT	manpower, personnel, and training		
MRE	meals ready to eat		

NVD	night vision device	PRF	pulse repetition frequency
NVG	night vision goggle	PROTEC	Programmable Ordnance Technology
NWE	nuclear weapons effects	PSA	pressure swing adsorption (filtration technology)
O		psi	pounds per square inch
O	oxygen	Q	
O&M	operations and maintenance	Q&A	question and answer
O&S	operations and support	QA	quality assurance
OB	order of battle	QDR	Quadrennial Defense Review
OBS	offboard source	QUIP	quantum-well infrared photo detector
OCE	operational capability element	R	
OCONUS	outside continental United States	R&D	research and development
OCSW	Objective Crew-Served Weapon	RAMICS	Rapid Airborne Mine Clearance System
OICW	Objective Individual Combat Weapon	RAP	radio access point
OMC	organic-matrix composite	RCS	radar cross section
OMCVD	organo-metallic chemical vapor deposition	RDS-21	Rotorcraft Drive System for the 21st Century
ONI	Office of Naval Intelligence	RDT&E	research, development, test, and evaluation
ONR	Office of Naval Research	RECO	remote control
OOTW	operations other than war	RF	radio frequency
OPLAN	operational plan	RFCM	radio frequency countermeasure
OPNAV	Office of the Chief of Naval Operations	RHA	rolled homogenous armor
OPW	objective personnel weapon	RIBS	Rapidly Installed Breakwater System
ORASIS	Optical Read-Time Adaptive Spectral Identification System	RJ	ramjet
OSD	Office of the Secretary of Defense	RLV	reusable launch vehicle
OSW	objective sniper weapon	RMS	Remote Minehunt System
OT&E	operational test and evaluation	rms	root mean square
OTH	over-the-horizon	RNECS	Radar Nuclear Effects Corruptor and Simulator
OTV	orbit transfer vehicle	RPA	Rotorcraft Pilot's Associate
P		RSTV	Reconnaissance, Surveillance, and Targeting Vehicle
P	phosphorus	RTI	runtime infrastructure
P ³ I	preplanned product improvement	RTIC	real-time information in the cockpit
PASGT	Personal Armor System for Ground Troops	RTO	Research and Technology Organization
Pb	lead	RTOC	real-time information out of the cockpit
P _c	chamber pressure	RTSMP	real-time symmetric multiprocessing
PCS	personal communications system	RTV	Rapid Terrain Visualization
P _d	probability of detection	RV	reentry vehicle
PDA	planning and decision aids	RWST	Rotary-Wing Structures Technology
PEBB	power electronic building block	RWV	rotary-wing vehicle
PEEK	polyetheretherketone	S	
PEO	Program Executive Office	s	second
PEP	propellants/energetics/pyrotechnics	S&A	safe and arm
P _{fa}	probability of false alarm	S&T	science and technology
PGMM	precision-guided mortar munition	SABRE	Shallow-Water Assault Breaching System
P _I	probability of incapacitation	SADARM	seek-and-destroy armor
PI	product improvement	SAIL	Seabase Aerostat Information Link
PIP	product improvement program	SAILSS	Smart Aircrew Integrated Life Support System
P _k	probability of kill	SAIP	semiautomated imagery intelligence processing
PM	program manager	SAR	synthetic aperture radar
PMFR	Pacific Missile Firing Range		
PNGV	Partnership for a New Generation of Vehicle		
PNVG	Panoramic Night Vision Goggle		
POET	Phase One Evaluation Team		
POM	program objective memorandum		
PP&T	Personnel Performance and Training		

SARAP	Survivable, Affordable, Repairable Airframe Program	STAP	space-time adaptive processing
SAS	synthetic aperture sonar	START	Strategic Arms Reduction Talks
SASMB	Side Attack Standoff Minefield Breacher	STB	super tropical bleach
SATCOM	satellite communications	STEP	Stealth Torpedo Enhancement Program
Sb	antimony	STI	Space Technology Inventory
SBA	simulation-based acquisition	STO	short takeoff and landing; science and technology objective
SBD	simulation-based design	STOW	Synthetic Theater of War
SBIR	small business innovation research	STP	Space Test Program
SBIRS	Space-Based Infrared System	STS	sensor-to-shooter
SBL	space-based laser	SUO	small-unit operations
SBSS	Science-Based Stockpile Stewardship	SWIMS	Shallow Water Influence Minesweeping System
SC-21	Surface Combatant of the 21st century	SZ	surf zone
SCRJ	scramjet		
SDWS	Submarine Defensive Warfare System	T	
SEAD	suppression of enemy air defense	T&F	targets and facilities
SEB	staphylococcal enterotoxin B	T/R	transmit/receive
SEBE	Sensors, Electronics, and Battlespace Environment	TACOM	U.S. Army Tank–Automotive and Armaments Command
SEI	specific emitter identification	TAMD	theater air/missile defense
SFW	sensor-fused weapon	TARA	Technology Area Review and Assessment
SGEMP	system generated electromagnetic pulse	TBM	theater ballistic missile
SHF	super high frequency	TD	Technology Demonstration
SHP/Wt	shaft horsepower per weight	TDA	tactical decision aid; Technology Development Approach
Si	silicon	TDD	target detection device
SiC	silicon carbide	Te	tellurium
SiGe	silicon-germanium	TE	terrestrial environment
SIGINT	signals intelligence	TEL	transportable erectable launcher
SIIRCM	suite of integrated infrared countermeasures	TES	threatened and endangered species
SIPRNET	Secret Internet Protocol Routed Network	TF/TJ	turbofan/turbojet (engine classification)
SIRFC	suite of integrated radio frequency countermeasures	TFLOP	tera-floating point operation
SIT	static induction transistor	TFSOS	thin-film, silicon-on sapphire
SLAM	Standoff Land Attack Missile	TFXXI	(U.S. Army) Task Force Twenty-One
SLEP	Service Life Extension Program	THAAD	Theater High-Altitude Air Defense
SLMM	Submarine-Launched Mobile Mine	THEL	Tactical High-Energy Laser
SMC	Space and Missile Systems Command	Ti	titanium
SMV	Space Maneuver Vehicle	TMD	theater missile defense
SOA	special operations aircraft	TMET	transonic missile engagement target
SOF	Special Operations Forces	TOC	tactical operations center
SOI	silicon-on-insulator	TOGW	takeoff gross weight
SOS	silicon on silicon	TOW	Tube-Launched Optically Guided Weapon
SOV	Space Operations Vehicle	TRADOC	U.S. Army Training and Doctrine Command
SPAWAR	Space and Naval Warfare Systems Command	TREE	transient radiation effects on electronics
SPC	Software Productivity Consortium	TRP	Technology Reinvestment Project
SPO	system program office	TS/TP	turboshaft/turboprop (engine classification)
sps	samples per second	TSA	temperature swing adsorption
SRAM	static random access memory	TTCP	The Technical Cooperation Program
SRBOC	Super Rapid Blooming Off-Board Chaff	TVC	thrust vector control
SREMP	source region electromagnetic pulse	TW/AR	threat warning/attack reporting
SRMU	solid-rocket motor upgrade	TWS	thermal weapons sight
SSB	Small Smart Bomb	TWT	traveling wave tube
SSMP	Stockpile Stewardship Management Plan		
SSTD	surface ship torpedo defense		
SSTO	single-stage-to-orbit		
STA	Space Technology Alliance		
STAFFS	Simulation Training and Analysis for Fixed-Sites		

U

UAV	unmanned aerial vehicle
UCAV	unmanned combat air vehicle
UCP	Unified Command Plan
UGT	underground test
UHF	ultra high frequency
URAV	uninhabited reconnaissance air vehicle
USCINCSpace	Commander in Chief, U.S. Space Command
USD	under secretary of defense
USDA	U.S. Department of Agriculture
USGS	United States Geological Survey
USSOCOM	U.S. Special Operations Command
USSPACECOM	U.S. Space Command
USSTRATCOM	U.S. Strategic Command
USW	undersea warfare
UTIS	Universal Transactions Information Systems
UUV	unmanned undersea vehicle
UV	ultraviolet
UWB	ultra wideband
UXO	unexploded ordnance

V

V	volt
V&V	verification and validation
VCATS	Visually Coupled Acquisition and Targeting System
Vdc	volts direct current
VDR	virtual retina display
VE	virtual environment
VEE	Venezuelan equine encephalitis
VGARD	Variable Geometry Advanced Rotor Demonstration

VGART	Variable Geometry Advanced Rotor Technology
VHF	very high frequency
VISTA	Variable In-Flight Simulator and Test Aircraft
VLS	Vertical Launch System
VLSTRACK	Vapor, Liquid, and Solid Tracking model
VOC	volatile organic compound
VP	virtual prototyping
VSTOL	vertical/short takeoff and landing
VSW	very shallow water (40 to 10 ft)
VV&A	verification, validation, and accreditation
VV&C	verification, validation, and certification

W

W	watt
WAM	wide area munition
WAN	wide area network
WCM	wired-cored matrix
WF-1, -2	Warfighter-1, -2
Wh	watthour
Wh/kg	watthour per kilogram
WMD	weapons of mass destruction
WNR	Wideband Network Radio
WP&S	warrior protection and sustainment
WSC	Warfighting Support Center
Wt	weight

Y

Y	yttrium
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Z

Zn	zinc
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