

Appendix E. Glossary of Abbreviations and Acronyms

μm micrometer
 1D one dimensional
 2D two dimensional
 3D three dimensional
 4D four dimensional (three dimensional plus time)

A

A ampere
 A/D analog to digital
 A/F air-to-fuel ratio
 AABFS Amphibious Assault Bulk Fuel System
 AAM air-to-air missile
 AAN Army After Next
 AAS Advanced Avionics Systems
 AAT advanced array technology
 ABL airborne laser
 ABO agents of biological origin
 ac alternating current
 ACC Air Combat Command
 ACCM advanced cooperative collection management
 ACN Airborne Communications Node
 ACR advanced concepts and requirements
 ACS adaptive computing system
 ACTD Advanced Concept Technology Demonstration
 ADC analog-to-digital converter
 ADCAP advanced capability
 ADS authoritative data sources
 AEW airborne early warning
 AFMSS Air Force Mission Support System
 AFRL Air Force Research Laboratory
 AFSOC Air Force Special Operations Command
 AGM air-to-ground missile
 AGRI air-to-ground radar imaging
 Ahr ampere-hour
 AI artificial intelligence
 AIM Advanced INFOSEC Module; Advanced ISR Management
 AIPS Advanced Integrated Propulsion System
 AIT atmospheric interceptor technology
 Al aluminum
 ALC air logistics center
 ALCM air-launched cruise missile
 ALI alpha/LAMP integration
 ALM advanced linear motor
 ALOR artillery-launched observer round
 ALP Advanced Logistics program
 ALV acoustic/laser vibrometer
 AMC U.S. Army Materiel Command
 AMD advanced mine detector

AMRAAM advanced medium-range air-to-air missile
 AMRFS Advanced Multifunction Radio Frequency System
 ANC active noise control
 ANSI American National Standards Institute
 ANTS autonomous negotiating teams
 APS Active Protection System
 ARDEC Armament Research, Development, and Engineering Center
 ARFF aircraft rescue and firefighting
 ARM antiradiation missile
 ART advanced rotorcraft transmission
 As arsenic
 ASA altered states of awareness
 ASARS Advanced Synthetic Aperture Radar System
 ASAT antisatellite
 ASC²ISRC Aerospace Command and Control Intelligence, Surveillance, and Reconnaissance Center
 ASIC application-specific integrated circuit
 ASM air-to-surface missile
 ASMT air superiority missile technology
 AST advanced SEAD targeting
 ASTE advanced strategic and tactical expendable
 ASUW antisurface ship warfare
 ASW antisubmarine warfare
 ATACMS Army Tactical Missile System
 ATD Advanced Technology Demonstration
 ATGM antitank guided missile
 ATGW antitank guided weapon
 ATHENA Advanced Thermal Hydraulic Energy Network Analyzer
 ATIRCM advanced threat infrared countermeasures
 ATM asynchronous transfer mode
 ATR automatic target recognition
 ATT antitorpedo torpedo
 AUV autonomous underwater vehicle
 AWACS Airborne Warning and Control System
 AWE advanced warfighting experiment
 AWP awaiting parts

B

b bit
 B byte
 BADD battlefield awareness and data dissemination
 BAR barometric
 BAT brilliant antitank
 BCA buoyant cable antenna
 BDA battle damage assessment
 BiFET Bipolar field effect transistor

BISAR	bistatic synthetic aperture radar	CECOM	U.S. Army Communications– Electronics Command
BISTAP	bistatic space–time adaptive processing	CENTCOM	Central Command
BM	battle management	CEP	circular error probability/probable
BMD	ballistic missile defense	CGF	computer-generated force
BMDO	Ballistic Missile Defense Organization	CHPPM	Center for Health Promotion and Preventive Medicine
BMEP	brake mean effective pressure	CHPS	Combat Hybrid Power Systems
BPI	boost-phase intercept	CIC	combat information center
bps	bits per second	CID	combat identification
BSFC	brake-specific fuel consumption	CIDDS	Combat Identification for Dismounted Soldiers
BSPS	Biological Sample Preparation System	CIGSS	common integrated ground/surface system
Btu	British thermal unit	CINC	commander in chief
BW	biological warfare	CIS	Combat Information System; chemical imaging sensor
C		CKEM	compact kinetic-energy missile
C/NOPS	Communications/Navigation Outage Forecasting System	CLIRCM	closed-loop IRCM
C ²	command and control	cm	centimeter
C ² I	command, control, and intelligence	CM	countermeasure
C ² ISR	command and control intelligence, surveillance, and reconnaissance	CMC	ceramic matrix composite
C ² V	command and control vehicle	CMD	cruise missile defense
C ² W	command and control warfare	CMMS	conceptual models of the mission space
C ³	command, control, and communications	CMOS	complementary metal oxide semiconductor
C ³ I	command, control, communications, and intelligence	CNO	Chief of Naval Operations
C ⁴	command, control, communications and computers	CO ₂	carbon dioxide
C ⁴ I	command, control, communications, computers, and intelligence	COA	course of action
C ⁴ ISR	command, control, communications, computers, intelligence, surveillance, and reconnaissance	COE	common operating environment
CAD	computer-aided design	COIL	chemical oxygen-iodine laser
CAE	computer-aided engineering	COMINT	communications intelligence
CAGES	Common Air–Ground Electronic System	COMSEC	communications security
CAI	composites affordability initiative	CONOPS	concept of operations
cal/cm ²	calories per square centimeter	CONUS	continental United States
CALCM	conventional air-launched cruise missile	CORBA	common object request broker architecture
CAM	computer-aided manufacturing	COSMEC	common spectral measurement exploitation capability
CAPS	Counteractive Protection System	COTS	commercial off-the-shelf
CAS	close air support	CP	counterproliferation; command post
CATS	Consequences Assessment Tool Set	CPA	closest point of approach
CB	chemical/biological	CPoF	command post of the future
CBASS	Common Broadband Advanced Sonar System	CRDA	Cooperative Research and Development Agreement
CBM	condition-based maintenance	CRT	cathode ray tube
CBP	consistent battlefield picture	CRW	Canard Rotor Wing
CBT	combating terrorism	CSA	Chief of Staff, Army
CCD	charged coupled device	Cu	copper
CCM	counter-countermeasure	CW	chemical warfare
CCTT	Close Combat Tactical Trainer	D	
CCTV	closed-circuit television	D/A	digital to analog
CDR	critical design review	DAC	digital-to-analog converter
CE	chemical energy	DACS	divert and attitude control system
CEASE	Compact Environmental Anomaly Sensor	DAMA	demand assignment multiple access
CEC	cooperative engagement capability	DAMASK	Direct-Attack Munition Affordable Seeker
		DARPA	Defense Advanced Research Projects Agency

dB	decibel	EM	electromagnetic
DBF	digital beamforming	EMC	electromagnetic compatibility
DBMS	database management system	EMD	engineering and manufacturing development
dc	direct current	EMI	electromagnetic interference
DCA	dual-capable aircraft	EMP	electromagnetic pulse
DCS	Deputy Chief of Staff	EO	electro-optic(al)
DDR&E	Director, Defense Research and Engineering	EOB	electronic order of battle
DDS	direct digital synthesis	EOCM	electro-optic countermeasure
deg	degree	EOR	engage on remote
DEW	directed-energy weapon	ERA	explosive reactive armor
DF	direction finding	ERASER	enhanced recognition and sensing LADAR
DI	Dismounted Infantry	ERGM	extended-range gun munition
DIA	Defense Intelligence Agency	ERP	effective radiated power
DIF	data interchange format	ES	electronic support
DII	defense information infrastructure	ESA	electronically scanned antenna; enhanced situation awareness; electronically steered array
DIL	Digital Integrated Laboratory	ESM	electronic support measure
DIS	Distributed Information System	ETC	electrothermal-chemical
DLS	Decoy Launch System	ETEC	Enterotoxigenic <i>Escherichia coli</i>
DMSO	Defense Modeling and Simulation Office	ETRACS	Enhanced Tactical Radar Correlator System
DMT	distributed mission training	EUCOM	U.S. European Command
DNA	Defense Nuclear Agency; deoxyribonucleic acid	EW	electronic warfare
DOE	Department of Energy	EXCOM	Executive Committee
DOF	degrees of freedom		
DRFM	digital radio frequency memory	F	
DRTF	DECADE Radiation Test Facility	FAR	false-alarm rate
DSB	Defense Science Board	FASM	forward air support munition
DSP	digital signal processor	FATDS	Field Artillery Tactical Data Systems
DSPW	Digital Stereo Photogrammetric Workstation	FBCB ²	Force XXI battlefield command brigade and below
DSS	Decision Support System	FBI	Federal Bureau of Investigation
DSTAG	Defense Science and Technology Advisory Group	FC	false change
DTAP	<i>Defense Technology Area Plan</i>	FCS	Future Combat System; flight control system
DTD	digital topographic data	FCV	Future Combat Vehicle
DTIP	Discriminating Interceptor Technology Program	FDA	Food and Drug Administration
DTO	Defense Technology Objective	FDI	flight display integration
DTRA	Defense Threat Reduction Agency	FEMA	Federal Emergency Management Agency
DU	depleted uranium	FET	field effect transistor
DUSD	Deputy Under Secretary of Defense	FFT	fast Fourier transform
E		fhr	flight hour
EC	electronic combat	FLIR	forward-looking infrared
ECCM	electronic counter-countermeasure	FLOP	floating point operation
ECM	electronic countermeasure	FMTV	family of medium tactical vehicles
ECU	environmental control unit	FOPEN	foliage-penetrating
EDM	engineering development model	FOV	field of view
EEE	Eastern equine encephalitis	FP	force protection
EEG	electroencephalogram	FPA	focal plane array
EFOG	enhanced fiber-optic guided	FSAV	full-spectrum active protection
EHA	electrohydrostatic actuator	FSC	false significant change
EHF	extremely high frequency	FSCS	Future Scout and Calvary System
EKV	exoatmospheric kill vehicle	ft/s	feet per second
ELB	extended littoral battlespace	ft ³	cubic foot
ELF	extremely low frequency	FWV	fixed-wing vehicle
ELINT	electronic intelligence		
ELV	expendable launch vehicle		

FY	fiscal year	hp	horsepower
FYDP	Future Years Defense Plan	HPC	high-performance computer/ computing
G		HPEBB	high-power electronic building block
g	acceleration caused by gravity at Earth's surface	HPM	high-power microwave
G&C	guidance and control	hp-min	horsepower per minute
Ga	gallium	hr	hour
GaAs	gallium arsenide	HS	hyperspectral
GaN	gallium nitride	HTI	horizontal technology integration
GBI	ground-based interceptor	HUMINT	human intelligence
GBL	ground-based laser	HVT	high-value target
Gbps	gigabits per second	Hz	hertz
GBR	ground-based radar	I	
GBS	Global Broadcast Services/System	I ²	image intensifier
GCAS	Ground Collision Avoidance System	I ² R	imaging infrared
GCCS	Global Command and Control System	IA	information assurance
GCV	ground combat vehicle	IA&S	information assurance and survivability
GEO	geosynchronous Earth orbit	IADS	Integrated Air Defense System
GFLOP	giga floating point operations	IC	integrated circuit; individual combatant
GHz	gigahertz	ICAI	intelligent computer-aided instruction
G-LOC	g-induced loss of consciousness	ICM	Integrated Collection Management
GMRS	giant magneto-resistive sensor	ICWC	integrated comprehensive weaponery capability
GMTI	Ground Moving Target Indication	ID	identification
GNOSC	Global Network Operations Security Center	IDECM	integrated defensive electronic countermeasure
GOPS	giga operations per second	IED	improvised explosive device
GPR	ground-penetrating radar	IEEE	Institute of Electrical and Electronic Engineers
GPS	Global Positioning System	IERA	Institute for Environmental Risk Assessment
GSD	ground sample distance	IFEM	Integrated Force and Execution Management
Gsps	billions of samples per second	IFF	identification friend or foe
GVW	gross vehicle weight	IFOG	interferometric fiber-optic gyroscope
GW	gross weight	IFSAR	interferometric synthetic aperture radar
Gy	Grey (measure of radiation dose)	IFX	Integrated Flight Experiment
H		IGB	image-guided bomb
HABE	High-Altitude Balloon Experiment	IHPRPT	Integrated High-Payoff Rocket Propulsion Technology
HACS	Helicopter Active Control System	IHPTET	Integrated High-Performance Turbine Engine Technology
HACT	Helicopter Active Control Technology	IIR	imaging infrared
HAE	high-altitude endurance	IMETS	Integrated Meteorological and Environmental Terrain System
HBT	heterojunction bipolar transistor	IMINT	imagery intelligence
HCI	human-computer interface	IMU	inertial measurement unit
HE	high explosive	in	inch
HEL	high-energy laser	in ³	cubic inch
HEMP	high-altitude electromagnetic pulse	IND	investigational new drug
HF	high frequency	InP	indium phosphorus
HFE	heavy fuel engine	INS	inertial navigation system
HgCdTe	mercury-cadium-telluride	INSC	integrated networks for secure communications
HI-QUAMS	high-quality antimateriel submunition	IO	information operations
HIS	hyperspectral imaging	IOC	initial operating capability
HITL	human in the loop	IP	Internet protocol
HLA	high-level architecture	IPU	integrated power unit
HM&E	hull, machinery, and electrical	IR	infrared
HMMWV	High-Mobility Multipurpose Wheeled Vehicle (Hummer)	IRAM	intelligent random access memory
HMSE	helmet-mounted sensory ensemble		
HMT/D	helmet-mounted tracker/display		
HOB	height of burst		

IRCM	infrared countermeasure	kg	kilograms
IRFPA	infrared focal plane array	kHz	kilohertz
IRST	infrared search and track	km	kilometer
ISAR	inverse synthetic aperture radar	km/s	kilometers per second
ISAT	integrated situation awareness and targeting	kn	knot
ISDN	Integrated Services Digital Network	ksp/s	thousand samples per second
ISMS	Intermediate Scale Measurement System	kW	kilowatt
Isp	specific impulse (theoretical)		
ISR	intelligence, surveillance, and reconnaissance	L	
ITALD	improved tactical air-launched decoy	L	liter
ITV	internally transportable vehicle	L/D	lift/drag
		L/V	lethality/vulnerability
J		LADAR	laser radar
J	joule	LAMD	lightweight airborne mine detection
J/g	joules per gram	LAMIDS	Lightweight Airborne Multispectral Countermine Detection System
JASSM	joint air-to-surface standoff missile	LAMP	Large Aperture Mirror program
JCS	Joint Chiefs of Staff	LAN	local area network
JDAM	joint direct attack munition	LB/TS	Large Blast/Thermal Simulator
JFACC	Joint Force Air Component Command	lbf	foot-pound-force
JHMCS	Joint Helmet-Mounted Cueing System	LBVDS	lightweight, broadband, variable-depth sonar
JIT	just-in-time	LCAC	landing craft air cushion
JMASS	Joint Modeling and Simulation System	LCD	liquid crystal display
JPO	Joint Program Office	LCM	laser countermeasures
JROC	Joint Requirements Oversight Council	LEO	low Earth orbit
JRTC	Joint Readiness Training Center	LEP	laser eye protection
JSCP	Joint Strategic Capabilities Plan	LES	leading-edge services
JSF	Joint Strike Fighter	LGB	laser-guided bomb
JSGPM	joint service general-purpose mask	LGW	laser-guided weapon
JSIMS	Joint Simulation System	Li	lithium
JSLIST	Joint Service Lightweight Integrated Suit Technology	LIDAR	light detection and ranging
JSOW	joint standoff weapon	LIFE	Laser IRCM Flyout Experiment
JSTARS	Joint Surveillance Target Attack Radar System	LITE	laser integration technology
JTCOPS	Joint Transportable Collective Protection System	LMS	low-observable, multifunction stack
JTF	Joint Task Force	LNA	low-noise amplifier
JTR	joint tactical radio	LO	low observable
JTT	joint targeting toolbox	LOCAAS	low-cost antiarmor submunition; Low-Cost Autonomous Attack System
JV 2010	<i>Joint Vision 2010</i>	LOS	line of sight
JWARN	Joint Warning and Reporting Network	LOSAT	line-of-sight antitank
JWARS	joint warfare simulation	LOTS	logistics over the shore
		LP _d	low probability of detection
JWCO	Joint Warfighting Capability Objective	LP _e	low probability of exploitation
JWSTP	<i>Joint Warfighting Science and Technology Plan</i>	LP _i	low probability of intercept
		lpm	liters per minute
K		LPT	low-pressure turbine
K	(degree) kelvin	LRIP	low-rate initial production
KA	knowledge acquisition	LSCD	laser standoff chemical detector
kb	kilobit	LSE	life-support equipment
kbps	kilobits per second	LVS	Logistics Vehicle System
KE	kinetic energy	LW	Land Warrior
KEAS	knots equivalent airspeed	LWIR	long-wavelength infrared
KEM	kinetic energy missile	M	
		M	Mach number; mega; million
		m	meter; milli
		M&S	modeling and simulation

m/s	meters per second	MTBF	mean-time between failure
MACE	Mid-Deck Active Control Experiment	MTBR	mean-time between replacement; mean-time between removal
MAJIC	monopulse angle jamming integrated countermeasure	MTI	moving target indicator
MALD	miniature air-launched decoy	MTIm	moving target imaging
MASINT	measurement and signal intelligence	MUE	military utility evaluation
MAV	micro air vehicle	MW	megawatt
MBCA	multifunction buoyant cable antenna	MWIR	mid-wavelength infrared
MBITR	multiband inter-/intra-team radio	N	
Mbps	megabits per second	N/UWSS	NORAD/USSPACECOM Warfighter Support System
MCM	multichip module	NaS	sodium sulfur
MDITDS	Migration Defense Intelligence Threat Data System	NASA	National Aeronautics and Space Administration
MEA	More Electric Aircraft	NATO	North Atlantic Treaty Organization
MEADS	Medium-Range Extended Air Defense System	NAVAIR	Naval Air Command
MEMS	microelectromechanical systems	NAVOCEANO	Naval Oceanographic Office
MEO	medium Earth orbit	NAVSEA	Naval Sea Systems Command
MEV	million electron volts	NAVSOC	Naval Space Operations Center
MFLOP	mega-floating point operations	NAVSPACECOM	Naval Space Command
MH/K	mine hunter/killer	Nb	niobium
MHz	megahertz	NBC	nuclear/biological/chemical
mi	mile	NCO	noncommissioned officer
MIB	management information base	NCTR	noncooperative target recognition
MICOM	U.S. Army Missile Command	NDE	nondestructive evaluation
MIDB	modernized integrated database	NDI	nondestructive inspection
MILSATCOM	military satellite communications	NEDT	noise-equivalent delta temperature
min	minute	NEHC	Naval Environmental Health Center
MIPS	millions of instructions per second	Ni	nickel
MIR	multiband infrared	NIR	near infrared
MIS	management information system	NLO	nonlinear optics
MJ	megajoule	nm	nanometer
MLRS	Multiple-Launch Rocket System	NMD	National Missile Defense
mm	millimeter	nmi	nautical mile
MMC	metal matrix composite	NORAD	North American Air Defense Command
MMH/fhr	maintenance man-hour per flight hour	NOx	nitrous oxide
MMI	man-machine interface	NRL	Naval Research Laboratory
MMIC	monolithic microwave integrated circuit	ns	nanosecond
MMPM	millimeter-wave power module	NSA	National Security Agency
MMR	multimode radar	NSF	National Science Foundation
MMW	millimeter wave	NVG	night vision goggle
Mo	molybdenum	O	
MOE	measure of effectiveness	O&M	operations and maintenance
MOSFET	metal-oxide semiconductor field effect transistor	O&S	operations and support
MOU	Memorandum of Understanding	OASD	Office of the Assistant Secretary of Defense
MOUT	military operations on urbanized terrain	OB	order of battle
MPa	megapascal	OBS	offboard source
mph	miles per hour	OCONUS	outside continental United States
MPI	message passing interface	OCSW	objective crew-served weapon
MPM	microwave power module	ODDR&E	Office of the Director, Defense Research and Engineering
MRLS	Multiple Rocket Launcher System	OEM	original equipment manufacturer
ms	millisecond	OGA	other government agency
MSD	multisite damage	OICW	objective individual combat weapon
MSE	mobile subscriber equipment	OMC	organic matrix composite
MSI	multispectral imaging		
Msps	millions of samples per second		
MSRR	modeling and simulation resource repository		
MSX	midcourse space experiment		

OMDDS	Object Model Data Dictionary System	RAS	radar absorbing structure
ONR	Office of Naval Research	RCS	radar cross section
OPDS	Offshore Petroleum Discharge System	RDA	research, development, and acquisition
OPSEC	operations security	RDT&E	research, development, test, and evaluation
OPTEMPO	operational tempo	REEPER	Relativistic Electron and Energetic Proton Experiment
ORASIS	Optical Real-Time Adaptive Signature Identification System	RF	radio frequency
ORNL	Oak Ridge National Laboratory	RFCM	radio frequency countermeasure
OSD	Office of the Secretary of Defense	RFI	radio frequency interference
OTH	over the horizon	RFR	radio frequency radiation
OTH-T	over-the-horizon targeting	RIBS	Rapidly Installed Breakwater System
OTM	on the move	RLV	reusable launch vehicle
OTV	orbit transfer vehicle	RMC	resin matrix composite
OUSD	Office of the Under Secretary of Defense	rms	root mean square
		RPA	Rotorcraft Pilot's Associate
		rpm	revolutions per minute
		RS	retical scanning
		RSVP	reduced ship's crew by virtual presence
		RTIC	real-time in the cockpit
		RTOC	real-time out of the cockpit
		RTPS	reactive topical skin protectant
		RTSMP	real-time symmetric multiprocessing
		RTV	rapid terrain visualization
P		S	
P	phosphorus	s	second
P ³ I	preplanned product improvement	S&A	safe and arm
PACM	Patriot anticruise missile	S&T	science and technology
P _{acq}	probability of acquisition	SA	situation awareness
PbMN	lead magnesium niobate	SAILSS	Smart Aircrew Integrated Life-Support System
PCIS ²	Portable Common Interface Set 2	SAIP	semiautomated imagery processing
P _d	probability of detection	SAL	semiaactive laser
PE	program element	SAM	surface-to-air missile
PEBB	power electronic building block	SAR	synthetic aperture radar
P _{fa}	probability of false alarm	SAS	synthetic aperture sonar
PGM	precision-guided munition	SATCOM	satellite communications
PGMM	precision-guided mortar munition	Sb	antimony
P _h	probability of hit	SBIRS	space-based infrared system
P _i	probability of incapacitation	SBL	space-based laser
P _{id}	probability of correct identification	SBR	space-based radar
PK	pharmacokinetic	SBSS	Space-Based Space Surveillance
P _k	probability of kill	SCINDA	Scintillation Network Decision Aid
PLAID	position location and identification	Se	selenium
PM	program manager	SEAD	suppression of enemy air defense
PMO	program management office	SEB	staphylococcal enterotoxin B
PNVG	panoramic night vision goggle	SEI	specific emitter identification
POC	point of contact	SES	Smart Escape System
ppm	parts per million	SFC	specific fuel consumption
PR	personnel recovery	SHAREM	ship ASW readiness/effectiveness measurement
P _r	probability of recognition	SHF	super high frequency
PRK	photoreactive keratectomy	Si	silicon
PS&T	precision strike and targeting	SIAP	single integrated air picture
psf	pounds per square foot	SiC	silicon carbide
psi	pounds per square inch	SiGe	silicon-germanium
PTI	precision targeting identification	SIGINT	signals intelligence
		SIL	System Integration Laboratory
Q			
QoS	quality of service		
QWIP	quantum well infrared photodetection		
R			
R&D	research and development		
RAAP	rapid application of air power		
RAM	radar absorbing material		
RAMICS	Rapid Airborne Mine Clearance System		

SINCGARS	Single-Channel Ground and Airborne Radio System	TFLOP	tera floating point operations
SIPRnet	Secret-Level Internet Protocol Router Network	TFXXI	(U.S. Army) Task Force 21
SIS	strapdown infrared seeker	THAAD	theater high-altitude air defense
SLBM	submarine-launched ballistic missile	TI	Tactical Internet; target identification
SNR	signal-to-noise ratio; smart networked radio	Ti	titanium
SOF	Special Operations Forces	TIC	toxic industrial chemical
SOI	silicon-on-insulation	TIM	toxic industrial material
SOS	silicon-on-silicon	TMC	Ti matrix composite
SOTM	SATCOM on the move	TMD	theater missile defense
sps	samples per second	TMR	tactical mobile robots
SRA	systems research aircraft	TO	theater of operation
SRAM	static random-access memory	TOA	time of arrival
SREMP	source region electromagnetic pulse	TOC	tactical operations center
SSB	small smart bomb	TOGW	takeoff gross weight
SSFC	Ship-Serviced Fuel Cell Power System	TRACER	Tactical Reconnaissance Armored Combat Equipment Requirement
SSN	Space Surveillance Network	TRADOC	U.S. Army Training and Doctrine Command
STAP	space-time adaptive processing	TRL	technology readiness level
STAR	seeker test and refinement	TSP	topical skin protectant
STD	sexually transmitted disease	TTCP	The Technical Cooperation program
STIL	streak tube imaging LIDAR	TTP	tactics, techniques, and procedures
STO	Science and Technology Objective (Army)	TTPV	tactical Tomahawk penetration variant
STR	space-time reference	TVC	thrust vector control
SUO	small-unit operations	TWT	traveling wave tube
SUTT	small-unit tactical training	U	
SWIR	short-wavelength infrared	U.K.	United Kingdom
SZ	surf zone	UAV	unmanned aerial vehicle
T		UCAV	unmanned combat air vehicle
T&E	test and evaluation	UFP	unit flyaway price
T&F	targets and facilities	UGT	underground nuclear testing
T/R	transmit/receive	UGV	unattended ground vehicle
T/W	thrust-to-weight ratio	UHF	ultra-high frequency
TA	threat alert	UPC	unit production cost
TACOM	Army Tank-Automotive and Armaments Command	URAV	unmanned reconnaissance air vehicle
TALD	tactical air-launched decoy	USACOM	U.S. Atlantic Command
TAMD	theater air and missile defense	USAMRIID	U.S. Army Medical Research Institute of Infectious Diseases
TAMPS	tactical aircraft planning	USSOCOM	U.S. Special Operations Command
TARA	Technology Area Review and Assessment	USSPACECOM	U.S. Space Command
TARDEC	Army TACOM Research, Development, and Engineering Center	USSTRATCOM	U.S. Strategic Command
TBC	thermal barrier coating	USW	undersea warfare
TBM	theater ballistic missile	UUV	unmanned undersea vehicle
TBMCS	Theater Battle Management Core System	UV	ultraviolet
TCP/IP	transmission control protocol/Internet protocol	UWB	ultra-wideband
TCT	time-critical target	UXO	unexploded ordnance
TD	technology demonstration	V	
TDA	tactical decision aid	V	volt
TDOA	time difference of arrival	V&V	verification and validation
TEMO	training exercises and military operations	VDL	virtual distributed laboratory
TEO	technology effort objective	VEE	Venezuelan equine encephalitis
		VHF	very high frequency
		VHSIC	very high-speed integrated circuit
		VLWIR	very long wavelength infrared
		VMF	variable message format
		VMMD	vehicle-mounted mine detector

VP virtual prototype
VSIP vector signal image processing
VSW very shallow water
VTOL vertical takeoff and landing
VV&A verification, validation, and accreditation

W

W watt
WAN wide-area network
WAS wide area search
WDM wavelength division multiplexing
WEE Western equine encephalitis
WFD widespread fatigue damage
Whr watthour
Whr/kg watthours per kilogram
WI Warfighter's Internet
WMD weapons of mass destruction
WPAFB Wright-Patterson Air Force Base
WSMR White Sands Missile Range
WSSA weapon system safety assessment
WTOC wireless tactical operations center
WWW Worldwide Web

X

X times; factor of
XVIII ABC 18th Airborne Corps

Z

ZnGeAs₂ zinc germanium arsenide