

Glossary

Abbreviations and Acronyms

AB	air base
AC	area coverage
ACCS	Army Command and Control System
AFB	Air Force Base
AFCC	Air Force Communications Command
AFSAT	Air Force satellite
AFSATCOM	Air Force satellite communications
AJ/CM	antijam/control modem
ANDVT	advanced narrowband digital voice terminal
AOR	area of responsibility
APTF	antenna pallet transit frame
AR	army regulation
AS I	Army Space Institute
attn	attention
AUTOVON	automatic voice network
AUTOSEVOCOM	automatic secure voice communications
BER	bit error rate
bps	bits per second
BPSK	biphase shift keying
C ³	command, control, and communications
CA	California
CCC	critical control circuit
CDR	commander
CGCPT	combined ground command post terminal
CINC	Commander in Chief
CINCARLANT	Commander in Chief, United States Army Forces, Atlantic
CINCUSAREUR	Commander in Chief, United States Army, Europe
CJTF	Commander Joint Task Force
C/KT	carrier to noise temperature ratio
cmd	command
CO	Colorado
COMICEDEFOR	Commander, Iceland Defense Force
COMSEC	communications security
COMSOCLANT	Commander, Special Operations Command, Atlantic
COMUSARCENT	Commander, United States Army, Central
COMUSFORAZ	Commander, United States Forces, Azores

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COMUSFORCARIB	Commander, United States Forces, Caribbean
COMUSFORCTRY	Commander, United States Forces, Country
COMUSJAPAN	Commander, United States Forces, Japan
COMUSKOREA	Commander, United States Forces, Korea
CONUS	continental United States
COSCOM	corps support command
CP	command post
CRD	Confidential Restricted Data
CRT	cathode ray tube
CSA	Chief of Staff, United States Army
CSAF	Chief of Staff, United States Air Force
C-SIGINT	counter-signals intelligence
CSPE	communications system planning element
CT	control terminal
CUCV	commercial utility cargo vehicle
DA	Department of the Army
DAMA	demand assigned multiple access
dB	decibel
DC	District of Columbia
DCA	Defense Communication Agency
DCAC	Defense Communications Agency Circular
DCAOC	Defense Communications Agency Operations Center
DCS	Defense Communications System
DCSS	digital communications subsystem
det	detachment
DISCOM	division support command
DMDG	digital message device group
DOD	Department of Defense
DS	direct sequence
DSCS	Defense Satellite Communications System
DSCSOC	Defense Satellite Communications System Operations Center
DTE	data terminal equipment
E	east
EAC	echelons above corps
EAM	emergency action message
EASTLANT	Eastern Atlantic
EASTPAC	Eastern Pacific
E_b/N_o	energy per bit to noise density ratio
EC	earth coverage
ECM	electronic countermeasures
ECCM	electronic counter-countermeasures
EHF	extremely high frequency
EIRP	effective isotropic radiating power
EMP	electromagnetic pulse
ESM	electronic warfare support measures
EW	electronic warfare
FDMA	frequency division multiple access

FH	frequency hopping
FL	Florida
FLTSAT	fleet satellite
FLTSATCOM	fleet satellite communications
FM	frequency modulated/field manual when used with a number
FSK	frequency shift keying
FT	force terminal
GA	Georgia
GCPT	Ground Command Post Terminal
GDA	gimballed dish antenna
GE	Germany
GEP	ground entry point
GHz	gigahertz
GMF	ground mobile forces
GMFSC	ground mobile forces satellite communications
GMFSCCC	GMF satellite communications control center
GNC	GMF network controller
GPU	general purpose user
GS	general support
G/T	ratio of antenna gain to noise temperature
HEMP	high altitude, EMP
HF	high frequency
HI	Hawaii
HQ	headquarters
IF	intermediate frequency
IL	Illinois
INSCOM	United States Army Intelligence and Security Command
I/O	input/output
IO	Indian Ocean
IPA	intermediate power amplifier
JA	Japan
JCS	Joint Chiefs of Staff
JCSC	Joint Communications Satellite Center
JCS MOP	Joint Chiefs of Staff Memorandum of Policy
kbps	kilobits per second
kHz	kilohertz
KOR	Korea
LCC	link communications circuit
LEASAT	leased satellite
LEASATCOM	leased satellite communications
LES	Lincoln experimental satellites
LNA	low noise amplifier
LOS	line of sight
LRIP	low rate initial production
LRM	low rate multiplexer
MCC	master control center

MCE	mission control element
MD	Maryland
MHz	megahertz
MI	military intelligence
MILSATCOM	military satellite communications
MOP	memorandum of policy
MOS	military occupational specialty
MSE	Mobile Subscriber Equipment
NA	not applicable
NAVTELCOM	Navy telecommunications command
NBC	nuclear, biological, chemical
NC	narrow coverage/North Carolina
NC/AC	narrow coverage/area coverage
NCE	network control element
NCF	network control function
NCS	net control station
NCT	network control terminal
NCU	network control unit
NE	Nebraska
NESP	Navy EHF satellite Program
NMCC	National Military Command Center
NMCS	National Military Command System
NNT	non-nodal terminal
NRI	net radio interface
NSA	National Security Agency
NT	nodal terminal
O	Official Use
OMO	operational management office
OPCON	operational control
OPLAN	operation plan
OPORD	operation order
OPR	office of primary responsibility
PA	power amplifier
PCC	primary control center
PMD	program management directive
PN	Panama
POC	point of contact
PSK	phase shift keying
pub	publication
QPSK	quadrature phase shift keying
QRSA	quick reaction satellite antenna
RDF	radio direction finding
REC	radio electronic combat
RF	radio frequency
RSSC	Regional Space Support Center
R/T	receiver/transmitter
SAA	satellite access authorization
SAMS	satellite automatic monitoring system

SAR	satellite access request
SATCOM	satellite communication(s)
SCD	strategic communications division
SCOTT	single-channel objective tactical terminal
SSC	Special Communications System
SDS	satellite data systems
SHF	super high frequency
SIGSEC	signals security
SIOP	Single Integrated Operational Plan
SNC	satellite network controller
SOCCENT	Special Operations Command, Central
SOCOM	Special Operations Command
SSB	single sideband
SSMA	spread spectrum multiple access
SST	single subscriber terminal
supp	supplement
TACSAT	tactical satellite
TAMCC	theater Army Milstar control center
TC	training circular
TCCC	terrestrial critical control circuit
TDMA	time division multiple access
TMCC	theater Milstar control center
TO	technical order
TOE	table(s) of organization and equipment
TRADOC	United States Army Training and Doctrine Command
TRANSEC	transmission security
TRI-TAC	Tri-Service Tactical Communications
TT&C	tracking, telemetry, and control
UCID	user-controlled interface device
UHF	ultra high frequency
UNAAF	Unified Action Armed Forces
URDB	user requirements data base
us	United States (of America)
USAF	United States Air Force
USAISC	United States Army Information Systems Command
USARSPACE	United States Army Space Command
USCENTCOM	United States Central Command
USCINCCENT	United States Commander in Chief, Central
USCINCEUR	United States Commander in Chief, Europe
USCINCLANT	United States Commander in Chief, Atlantic
USCINCPAC	United States Commander in Chief, Pacific
USCINCSO	Commander in Chief, United States Southern Command
USCINCSpace	United States Commander in Chief, Space Command
USSPACECOM	United States Space Command
VA	Virginia
VCSA	Vice Chief of Staff, United States Army
VHF	very high frequency

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w	west
W/B	wideband
WESTCOM	United States Army Western Command
WESTLANT	Western Atlantic
WESTPAC	Western Pacific

Terms

BIPHASE SHIFT KEYING (BPSK). Modulation process whereby the phase of the subcarrier is discretely varied in relation to phase of previous signal element by two modulating signals 180 degrees out of phase.

CRITICAL CONTROL CIRCUIT (CCC). The orderwire link, commonly spread spectrum, used by the NCT to provide command and control to each of the NTs and to receive status/replies.

CROSS-ELEVATION. The sector of antenna movement in azimuth from an initial emplacement position due to limits imposed in antenna drive design.

DATA BASE. A collection of necessary operational data entered into a computer that can be retrieved with speed and ease in different formats.

FOOTPRINT. Coverage patterns of satellite antennas on portions of the earth's surface.

GEOSTATIONARY. As applied to a satellite located at an altitude of approximately (35,000 kilometers) over the equator traveling at a rate of speed to appear stationary with respect to a point on earth.

LOOK ANGLE. Azimuth and elevation angles necessary for a terminal antenna position to access a satellite (LOS to satellite).

MILSTAR. A new generation satellite communications system designed to meet the minimal essential wartime communications needed to satisfy specified strategic and tactical mission requirements.

NET. An organization of terminals capable of direct communications with each other using a common frequency or channel for a common purpose.

NETWORK. An organization of terminals capable of communication with each other but not necessarily on the same frequency or channel for a common purpose.

NODAL. The terminal situated at the hub of a net (AN/TSC-85() or AN/TSC-100A) passing communications to a number of terminals.

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QUADRAPHASE SHIFT KEYING (QPSK). The modulating of a subcarrier by four signals 90 degrees out of phase. Two times as much intelligence for the same bandwidth as BPSK.

SPREAD SPECTRUM. A special digital modulation process in which the carrier is suppressed and the signal is distributed over the entire bandwidth.

TERRESTRIAL. Pertaining to the earthbound communication other than by satellite (that is, land line, wireless, LOS).

TRANSPONDER. Name applied to satellite or devices in satellite to receive and retransmit communications signals.