

**Part V.**

**GLOSSARY**



Part V.

GLOSSARY

A

ABM	Antiballistic Missile	AMC	Army Materiel Command
ABMDA	Advanced Ballistic Missile Defense Agency	AMPL	Receiver Encoder Level
ABRES	Advanced Ballistic Reentry Systems	AMRAC	Anti-Missile Research and Advisory Council
ACBIAS	Acceleration Bias	AP	Ammonium Perchlorate
ACC	Area Control Center	A/R	Availability/Reliability
ACU	Arithmetic Control Unit	ARA	Allowable Reentry Angle
A/D	Analog-to-Digital	ARADCOM	Army Air Defense Command
ADES	Area Defense Engagement Simulation	ARCS	Average RCS
AEC	Atomic Energy Commission	ARDC	Air R&D Command
AET	Antenna Element Test	ARGMA	Army Rocket and Guided Missile Agency
AF	Air Force	ARPA	Advanced Research Projects Agency
AFB	AF Base	ARU	Automatic Reference Unit
AFCC	Alternate Fire Control Center	AT&T	American Telephone and Telegraph Company
AFWL	AF Weapons Laboratory	ATC	Advanced Technology Center
AGC	Automatic Gain Control	ATES	Analog TES
AICBM	Anti-ICBM	A to D	Analog-to-Digital Conversion
AL	Accidental Launch	ATR	{ Acceptance Test Requirement Active Track Recognition
ALCOR	ARPA-Lincoln Laboratories C-Band Observable Radar	ATS	Antenna Test Set
ALTAIR	ARPA Long Range Tracking and Instrumentation Radar		

<b>B</b>	
BCB	Battery Control Building
BCC	Battery-Centered Cartesian Coordinate System
BF	Burst File
BFS	Beamforming and Steering
BMD	Ballistic Missile Defense
BMDATC	BMD Advanced Technology Center
BMDC	BMD Center
BMDOC	BMD Operations Center
BMDOR	BMD Operations Room
BMDSCOM	BMD Systems Command
BMDTP	BMD Test Program
BMEWS	Ballistic Missile Early Warning System
BOD	{ Beneficial Occupancy Date Building Occupancy Date
BOS	Basic Operating System
BRCS	Body RCS
BRL	Ballistic Research Laboratory
BRV	Ballistic RV
BSA	Buffer Store Assembly
BSC	Beam Steering Computer
BSS	Board Steered System
BW	BMDC Weapons Process
$\beta$	Ballistic coefficient in lb/ft <sup>2</sup>

<b>C</b>	
CAL	Calspan Corporation (formerly Cornell Aeronautical Laboratory)
CALCOMP	Calspan Computer
CAMAR	Common Aperture MAR
CAT	Catastrophic Test
C&C	Command and Control

CCB	Configuration Control Board
CCDS	C&C Display Subsystem
CCU	Channel Control Unit
CDP	Central Data Processing
CDR	Critical Design Review
CDT	Conditional Drop Track
CENTRAN	CLC Translator
CEP	Circular Error Probability
CFAR	Constant False Alarm Rate
CG	{ Center of Gravity Commanding General
CINCONAD	Commander-in-Chief of CONAD
CIU	Control Indicator Unit
CLC	Central Logic and Control
CLSU	Console Logic Support Unit
CM	{ Configuration Management CLC Monitor
CMC	Cheyenne Mountain Complex
CMDS	Contractor Maintenance Data System
C/N	Clutter-to-Noise ratio
CN	Normal Force Coefficient
CNWDI	Critical Nuclear Weapons Design Information
COC	Combat Operations Center
COE	Corps of Engineers
CONAD	Continental Air Defense Command
CONOPS	Continuous Operations Test
CONUS	Continental US
CP	Center of Pressure
CPAF	Cost Plus Award Fee
CPCC	Central Program Change Control

CPIF	Cost Plus Incentive Fee	DPO	Data Processing Officer
CPR	Chinese People's Republic (also see PRC)	DPS	Data Processing System/ Subsystem
CPU	Central Processing Unit	DPSI	DPS Installation Facility
CR	Correction Report	DPSPR	DPS Performance Requirements
CRT	Cathode Ray Tube	DR	{ Detection Radar
CSB	Control Switch and-Buffer		{ Discrimination Radar
CSPS	Coherent Signal Processor System	DSS	Display Subsystem
CTM	Contractor Technical Maintenance	DT	Design Threat
CTPB	Carboxyl-Terminated Polybutadiene	DTC	Data Transmission Controller
CW	Continuous Wave	DTCA	DTC Adapter
		DTCG	DTC Group
		DTES	Digital TES
	<b>D</b>	DTS	Dynamic Traffic Simulation
DARTS	Debugging Aid for Real-Time Systems	DUX	Digital Unit Exerciser
DCA	Digital Controlled Attenuator	DVR	Digital Video Recorder
DCDP	Defense Center Data Processor		
DCDPS	Defense Center DPS		<b>E</b>
DCG	Digital Control Group	EBMDC	Early BMDC
DCU	Digital Control Unit	ECM	Electromagnetic Counter- measures
DD	Discrimination Demonstration	ECP	Engineering Change Proposal
DDG	Digital Data Group	ECS	{ Environmental Control Station
DDR&E	Director of Defense R&E		{ Environmental Control System
DDS	Display Subsystem	ECTS	Electrical Circuit Test Set
DEPEX	NIKE-X Deployment Study	ECU	Exercise Control Unit
DET	Design Evaluation Threat	EDP	Exercise Data Processor
DG	Data Gathering	EED	Electro-Explosive Device
DICBM	Depressed ICBM	EGS	End Game Simulation
DKR	Direct Kill Region	EMP	Electromagnetic Pulse
DM	Defense Mode	EMX	MSR System Exerciser
DOD	Department of Defense	EOB	End-Of-Boost phase
DP	Data Processor	EOD	End-Of-Dive phase
DPCC	Data Processing and Control Computer	EPX	PAR System Exerciser
DPM	Dispersed Pulse Measurement	ERC	Equipment Readiness Center

ERD	Equipment Readiness Date	$\gamma$	$1/\beta$
ERS	Extended Range Search		
ESK	Environmental Sensor Kit		<b>H</b>
ESL	Environmental Status Level	HDR	High Data Rate
E-Tape	Software Parameter Histories	HEFU	High-Energy Firing Unit
ETR	Eastern Test Range	HF	Heating Factor
EXIT	Exit Surveillance Region	HI	Hostile Identification
	<b>F</b>	HIA	HI Authority
		HIE	HI Enable
FAR	{ False Alarm Rate	HIS	Honeywell Institute System
	{ Forward Acquisition Radar	HLT	High Level Transmitter
FCC	{ Face Cartesian Coordinates	HPU	Hydraulic Pumping Unit
	{ Fire Control Center		<b>I</b>
FCS	Flight Control Set	IA	Intercept Accuracy
FTS	Fault Isolation Test Set	IBM	International Business Machines Corporation
FL	Fault Locator	IC	Integrated Circuit
FLAM	Fault Locating and Monitoring	ICBM	Intercontinental Ballistic Missile
FLAR	Fault Locating and Recording	ICLPE	IC Launch Preparation Equipment
FMP	Field Measurement Program	ICP	IC Package
FOBS	Fractional Orbit Bomb System	ID	Identification
FORTTRAN	Formula Translator	IDA	Institute of Defense Analysis
FSC	Flight Safety Console	IDR	Interface Data Reduction
FSS	Flight Safety System	IEMP	Internal EMP
FTS	Flight Termination System	IF	Intermediate Frequency
	<b>G</b>	IMSR	Improved MSR
GE	General Electric Company	I/O	Input/Output
GETSS	GE Time-Sharing System	IOC	{ Initial Operational Capability
GMLEC	Guided Missile Launch Enable Controller		{ I/O Controller
GMLEG	Guided Missile Launch Enable Group	IP	Intercept Point
GMT	Greenwich Mean Time	IPS	IP Selection
GPDC	General Purpose Digital Computer	IQD	Intercept Quality Data
GRC	General Research Corporation	IR	Interceptor Response
GSE	Ground Support Equipment		

IRBM	Intermediate Range Ballistic Missile	LEU	LE Unit
ISU	Interface Switching Unit	LLT	Low Level Transmitter
ITP	Installation Test Program	LO	{ Launch Order
ITU	Interface Transfer Unit		{ Local Oscillator
<b>J</b>			
J-Box	Junction Box	LP	Launch Point
		LPE	Launch Preparation Equipment
		LPEC	LPE Compartment
		LPES	LPE Set
		LPEV	LPE Vault
KA	Kill Assessment	LQD	Launch Quality Data
KMR	Kwajalein Missile Range	LRC	Logic-to-Relay Converter
KOR	Known Object Recognition	LSB	Least Significant Bit
KREMS	Kiernan Reentry Measurement Site	LSEQ	Launch Sequencer
KT	KOR Track	LSI	Large-Scale IC
KTR	KOR Track Recognition		
KTS	Kwajalein Test Site		
<b>L</b>			
LA	Launch Accuracy	M	Minuteman Defense Mode
LAC	Launch Area Control	MA	Missile Acquisition
LAR	Local Acquisition Radar	MAC	Maintenance Activity Center
LBO	Low Beta Object	M&D	Maintenance and Diagnostic
LCB	Logic Control Buffer	M&DSS	M&D System/Subsystem
LCC	Launch Control Center	MAR	Multifunction Array Radar
LDP	Local Data Processor	MBGE	Missile-Borne Guidance Equipment
LDR	Low Data Rate	MCC	Missile Command Code
LE	Launch Enable	MCM	Missile Command Monitor
LECS	LE Coded Switch	MDAC	McDonnell-Douglas Astronautics Company (formerly Douglas Aircraft)
LEDM	Limited Engineering Development Model	MDC	{ Missile Defense Center
LEGG	Launch Eject Gas Generator		{ Missile Direction Center
LEMC	LE Message Controller	MDI	Miss-Distance Indicator
LEMR	LE Message Receiver	MDP	{ M&D Processor
LEMT	LE Message Transmitter		{ Missile Data Processor
LETS	LE Transmission Set	MDVS	Minuteman Defense Value Structure
<b>M</b>			

MDX	Miss-Distance Magnitude	MSDP	Missile Site Data Processor
MEEV	Mechanical and Electrical Equipment Vault	MSDPS	Missile Site Data Processing Subsystem
MFM	Missile Farm Monitor	MSR	Missile Site Radar
MGS	Missile Guidance Set	MSRDP	MSR Data Processor
MI	MSR Installation Process	MSRSIM	MSR Simulation
MIL	Military	MSTP	{ Meck System Test Program Missile Site Test Program
MINLCC	Minuteman Launch Control Center	MT	Missile Track
MIPS	Millions of Instructions Per Second	MTR	MT Radar
MIRV	Multiple Independently Targeted RV	MTRACK	MSR MT Simulation
MIS	Missile Interaction Simulation	MTS	Mission Test Specification
MISSIM	Missile Simulation	MTV	Material Test Vehicle
Mk-( )	Hostile ICBM	MW	MSR Weapons Process
MLEA	Missile Launch Equipment Adapter		<b>N</b>
MLEC	Missile Launch Equipment Controller	NA	{ Not Applicable Not Available
MM	Minuteman	NASA	National Aeronautics and Space Administration
MMC	Martin Marietta Corporation	NCA	National Command Authority
MMI	Minuteman I	NCMC	NORAD Cheyenne Mountain Complex
MMTC	Missile Monitor Test Console		
MN	Mach Number	NEA	{ Nuclear Employment Authority Nuclear Engagement Authority
MOI	Moment of Inertia	NEARR	Nuclear Employment Authority Recorder-Reproducer
M-1	Programs for MSR testing with capability of interception-to-space point	NG	Nitroglycerin
M1-( )	Mission designation	NICOL	NIKE-X Compiler Language
MOSAR	Modulation Scan Array Radar	NOL	Naval Ordnance Laboratory
MPR	Master Problem Report	NOP	No Operation
MR	Measurement and Recording	NORAD	North American Air Defense Command
MRA	Management Report Analyst	NPD	Normal Path Diagnostic
MRS	Management Reporting System	NPV	N-Pulse Validation
MRV	Multiple RV	NSA	National Security Agency
MSB	Most Significant Bit	NTH	Nonthreatening
MSCB	Missile Site Control Building		



NWSSC	Nuclear Weapons System Safety Committee	PHSD	Preliminary Hardsite Defense
	O	PI	PAR Installation Process
OCU	Operand Control Unit	PIN	Positive Intrinsic Negative
ODDR&E	Office of Director of Defense R&E	PL/1	Program Language 1
OLDR	Off-Line Data Reduction	PM	Preventive Maintenance
OS	Operating System	PMR	Pacific Missile Range
OSB	Ordnance Safety Box	POMDA	Post-Mission Data Analysis
OSCAR	On-Site Configuration Activity Reporting	POR	PAR Object Recognition
	P	POT	Purged Object Track
		PP1	Pulse Pattern 1
$P_k$	Kill Probability	pps	pulses per second
$P_{RV}$	Probability that target is an RV	PPS	Policies, Procedures, and Standards
PACA	Propulsion and Control Assembly	PPTL	Parallel Plate Transmission Line
PAL	Parallel Assembly Language	PRC	People's Republic of China (also see CPR)
PAR	Perimeter Acquisition Radar	PRF	Pulse Repetition Frequency
PARDP	PAR Data Processor	PS	Program Store
PARSIM	PAR Simulation	PSL	Physical Science Laboratory
PASS	Parallel ABM System Simulation	PT	{ PAR Test Process
PAVT	Product Assurance Verification Test	PTV	{ Precision Track
PBAA	Polybutadiene Acrylic Acid	PU	Propulsion Test Vehicle
PCO	Program Change Order	PW	Processor Unit
PCS	Position Capability Surface	PWRCS	PAR Weapons Process
PCU	Program Control Unit	P/Z	Peak Wake RCS
PDF	Prototype Development Facility		PAR/SPARTAN
PDS	Performance Design Specification		R
PEPE	Parallel Element Processing Ensemble	RADOT	Recording Automatic Digital Optical Tracker
PFA	Probability of False Alarm	RANC	Refraction Attenuation Noise and Clutter
PFOBS	Potential FOBS	R&D	Research and Development
P-FOR	Parallel version of FORTRAN	R&E	Research and Engineering
PF&TG	Precision Frequency and Time Generator	RCA	Radio Corporation of America
		RCS	Radar Cross Section

RD	Restricted Data	SAFSCOM	SAFEGUARD System Command (now called BMDSCOM)
RDT&E	Research, Development, Test & Evaluation	SAFSEA	SAFEGUARD System Evaluation Agency
REFOBS	Reference Object Search	SAFSIM	SAFEGUARD System Simulation
RF	Radio Frequency	SAFSM	SAFEGUARD System Manager
RFCM	RF Calibration and Monitoring	SALT	Strategic Arms Limitation Treaty
RFTO	RF Test Order	SAMSO	Space And Missile System Organization
RFTR	RF Test Request	SAMTEC	Space And Missile Test Center
RFTS	RF Test Set	SAS	Status Accounting System
RLE	Remote Launch Equipment	SBI	Seconds Before Impact
RM	Measured Missile Range	S/C	Signal-to-Clutter ratio
RMC	Radar Measurement Coordinate System	SCD	Small City Defense
RMI	Range Mark Indicator	SCO	{ Software Change Order Specification Change Order
RMP	Reentry Measurements Program	SCVS	SPARTAN Capability Value Structure
rms	root-mean-square	SDF	Slowdown Filter
RMV	Reentry Measurements Vehicle	SDPL	SENTINEL Data Processing Laboratory
RP	{ Predicted Missile Range Resmooth Program Retro-Package	SDRDC	System Design Requirements for Displays and Controls
RPCC	Orthogonal Coordinate System	SDRS	SAFEGUARD Data Reduction System
RRG	Radar Return Generator	SDVS	SAFEGUARD Defense Value Structure
RSA	Rate Saturation Attack	SENSIM	SENTINEL System Simulation
RSC	Recording Set Controller	SES	SPRINT Engagement Simulation
RSS	Recording Subsystem	SEST	SAFEGUARD System EMP Site Test
RTE	Real-Time Exerciser	SET	Small Endoatmospheric Target
RTI	Range Time Intensity	SFSD	Southern FOBS Self Defense
RUR	Region of Unresolved Replies	SG	SPRINT Guidance
RV	Reentry Vehicle	SHAR	System Hardness Assessment Report
RVCC	Range-Velocity Cartesian Coordinates	SIDLOB	Sidelobe Tracking Indicator
	<b>S</b>	SIETP	System Integration and Evaluation Test Plan
SAC	Strategic Air Command		
SAFCA	SAFEGUARD Communications Agency		

SIMVAL	Simulation Validation	STVT	System Technical Verification Test
SIR	SPRINT Interceptor Response	STVTR	STVT Requirements
SIS	SPRINT Intercept Simulation	SU	Status Unit
SIT	Site Information Tape	SV-( )	SAFEGUARD Vehicle
SLBM	Submarine-Launched Ballistic Missile	SWOC	SPARTAN Warhead Output Contour
S/N } SNR }	Signal-to-Noise ratio	SYSEX	System Exerciser
SNX	Symbolic NIKE-X (assembly language for CLC)		
SOC	Support Operation Center		T
SPASIM	{ SPARTAN Intercept Simulation SPARTAN Intercept Subsystem Simulation	TA	Track Acquisition
SPO	Special Projects Office	TACMAR	Tactical MAR
SPSIM	SPARTAN Intercept Effectiveness Simulation	TACMSRSIM	Tactical MSR Simulation
SR	Satellite Recognition	TACSAFSIM	Tactical SAFEGUARD Simulation
SRV	{ Single RV System Readiness Verification	TALO	Time After Liftoff
SSBO	Second-Stage Burnout	T&S	Timing and Status
SSDSU	System Status Display Support Unit	TATCOG	Tri-Agency Technical Coordination and Operations Group
SSDU	System Status Display Unit	TBS	Tape Buffer System
SS-9	Hostile ICBM Booster (USSR)	TBU	Tank Breakup
SSP	Search Signal Processor	TDP	Target Data Processor
SSV	{ Sequential-State Vector SPRINT Service Vehicle	TES	Tactical Environment Simulation
ST	Surveillance Track	TF	Track File
STACS	SAFEGUARD Tactical Simulator	TFBCT	Tracking Filter Ballistic Coefficient Test
STAG	SAFEGUARD Threat Action Generator	TG	Timing Generator
STC	Sensitivity Time Control	TGO	Time to Go
STM	Special Test Mission	TI	Time of Intercept
STS	System Test Specification	TIC	Target Intercept Computer
STTF	Site Threat Trajectory File	TID	Tracking for Identification Data
STU	Store Transfer Unit	TIG	Track Initiation and Grouping
		TJH	Time of Jethead Ignition
		T/M	Telemetry
		TM	T/M Flight Data
		TMR	Target Measurements Report
		TMRC	Technical Maintenance Repair Center

TOD	Time Of Day	UMAB	Universal Missile Assembly Building
TOF	Time Of Flight	UMB	Universal Missile Building
TOO	Target Of Opportunity	UOR	User-Oriented Requirement
TOP	Trajectory Obscuration Program	UOV	User Operational Verification
TOS	Tactical Operating System	UREC	Utility Recording
TR	{ Transmit-Receive Trouble Report	US	United States
		USSR	Union of Soviet Socialist Republics
TRADEX	Target Resolution and Discrimination Experiments Radar	UTL	Universal Transporter Loader
TRADOC	Training and Doctrine Command		V
TRM	Test Requirements Memorandum	VCO	Voltage-Controller Oscillator
TRP	Telemetry Reduction Program	VHF	Very High Frequency
TS	Technical Specification	VIRADE	Virtual Radar Defense
TSA	Target Selection Aid	VOL	Verified Objects List
TSB	Temporary Storage Block (buffers)	VPC	Video Pulse Converter
TSCS	Tactical Software Control Site	VS	Variable Store
TSE	Tactical Support Equipment	VSL	Verification Scheduling List
TSF	Target Selection Function	VTM	Visible Threat Message
TSI(A), (B), (C)	Track for SPARTAN Intercept Part A, B, C (tracking intervals)		W
TSL	Time Since Launch	WAGC	Wake AGC
TSP	Target Selection Process	WECO	Western Electric Company
TSTS	Third-Stage Test Set	WG	Gate Width (range)
TT	Target Track	WICOR	Wave Band Correlated
TTR	Target Tracking Radar	WL	Wake Length
TTY	Teletypewriter	WSMR	White Sands Missile Range
TUB	Trajectory Uncertainty Bound	WT	Wake Track
TV	Technical Verification	WTR	Western Test Range
TVC	Thrust Vector Control	WUSSR	Western USSR
TWT	Traveling Wave Tube		X
TWX	TTY Exchange	XPF	Execution Preparation Facility
	U		Z
UHF	Ultra High Frequency	ZAR	ZEUS Acquisition Radar

ZIR SPARTAN Interceptor Response

ZOS Zero Order Software

ZMAR ZEUS Multifunction Array  
Radar

ZSIM SPARTAN Missile Simulator  
Segment of SPASIM