

**Missile Defense Agency  
Fiscal Year (FY) 2009 Budget Estimates**

**ACRONYMS AND ABBREVIATIONS**

<b>A</b>	
AADC	Area Air Defense Commander
AAMDC	Army Air Missile Defense Command
ABL	Airborne Laser
ACCS	Air Command and Control System
ACS	Attitude Control System, Auxillary Communication Shelter
ADP	Arrow Deployability Program; Automated Data Processing; Adversary Delta Package
AEP	Analysis Execution Plans
AFC2ISRC	Air Force Command and Control Intelligence Surveillance Reconnaissance Center
AFSCN	Air Force Spacecraft Communication Network
AIRS	Airborne Infrared Surveillance
AIS	Automated Information System
ALHTK	Air Launch Hit to Kill
AMOR	Army Missile Optical Range, Redstone Arsenal, AL
AN/TPY	Army Navy/Transportable Radar Surveillance
AOC	Air Operations Center
AOP	Airborne Optics Platform; Advanced Optical Processor
AOR	Area of Responsibility
ARAV	Aegis Readiness Assessment Vehicles
ARO	All Reflective Optics
ARS	Active Ranging System
ASIP	Arrow System Improvement Program; Application Specific Integrated Circuit
ASP	Advanced Signal Processor
AST	Airborne Surveillance Test Bed; Arrow System Test
ATH	Above the Horizon
ATIC	Advanced Technology Innovation Cell
ATILL	Advanced Tracking Illuminator Laser
ATO	Authority To Operate
ATT	Algorithm-to-Test Reviews
AVIT	Air Vehicle Integration and Test
AWS	Arrow Weapon System; AEGIS Weapon System
<b>B</b>	
BAA	Broad Agency Announcement
BCA	Business Case Analysis; BMDS Capability Assessment
BC/FC	Beam Control/Fire Control
BCSC-T	BMDS Communication System Complex Transportable
BITC	Battle Management Integration Center
BM	Battle Management; Ballistic Missile
BM/C3	Battle Management, Command, Control, and Communications
BM/C4I	Battle Management, Command, Control, Communications, Computers, and Intelligence
BMD	Ballistic Missile Defense
BMDS	Ballistic Missile Defense System

## ACRONYMS AND ABBREVIATIONS

BMDSM	BMD System Manager
BOIP	Basis of Issue Plan
BPRRA	Baseline Production Readiness Risk Assessments
BQT	Block Qualification Testing
BRAC	Base Realignment and Closure
BSC	Battery Support Center
BSO	BMDS Safety Officers
BSP	BMD Signal Processor
BTH	Below the Horizon
BWO	BMDS Watch Officers
<b>C</b>	
C2BMC	Command and Control, Battle Management, and Communications
CAPS	Commanders Analysis and Planning System
CaT	Characterization and Transition Reviews
CCMWG	Common Cost Methodology Working Group
CCWG	Corporate Clutter Working Group
CD	Concept Descriptions; Cobra Dane
CDA	Core Depot Assessment; Coherent Distribution Aperture
CDR	Critical Design Review
CDU	Cobra Dane Upgrade
CE	Capability Enhanced
CI	Counterintelligence
CLE	Command and Launch Equipment
CLS	Contractor Logistics Support
CMART	Consolidated Missile Asset Reused for Targets
CMOC	Cheyenne Mountain Operations Center
CNE	Communications Node Equipment
CNIP	C2BMC Network Interface Processor
COCOMS	Combatant Commanders
COIL	Chemical Oxygen-Iodine Laser
COLD	Center for Optical Logic Devices
CONOPS	Concept of Operations
CONUS	Continental United States
COTS	Commercial Off-The-Shelf
CPI	Continuing Process Improvement
CPIF	Cost-Plus-Incentive-Fee
CR	Capability Release
CRA	Continuing Resolution Authority
CTF	Controlled Test Flight; Combined Test Force
CTTO	Concurrent Test, Training and Operations
CTV	Control Test Vehicle
CY	Calendar Year
<b>D</b>	
DACS	Divert and Attitude Control System
DAA	Defense Appropriations Act
DAD	Discrimination Augmentation Devices
DARPA	Defense Advanced Research Projects Agency

## ACRONYMS AND ABBREVIATIONS

DDG	Guided Missile Destroyer
DFAS	Defense Finance and Accounting Service
DFE	Discrimination Fusion Engine
DGSE	Deployable Ground Support Equipment
DGT	Distributed Ground Test
DIICOE	Defense Information Infrastructure Common Operating Environment
DISA	Defense Information Systems Agency
DMETS	Distributed, Multi-Echelon Training System
DMTP	Development Master Test Plan
DOORS	Dynamic Object Oriented Requirement Systems
DOTMLPF	Doctrine, Organization, Training, Material, Leadership, Personnel and Facilities
DRR	Design Readiness Review
DSE	Distributed Sensing Experiment
DSWS	David's Sling Weapon System
DT/OT	Development Test/Operational Test
DVT	Development Verification Test
<b>E</b>	
EA	Executing Agent
EAP	Emergence Activation Plan
EBCCD	Electron Bombarded Charge Couple Device
ECS	Element Capability Specification
EDM	Engineering Development Model
EE	Engineering Evaluation
EI	Essential Elements of Information
EHF	Extremely High Frequency
EICO	Element Integration and Checkout
EKV	Exoatmospheric Kill Vehicle
ELDT	Early Launch Detection and Tracking
ELO	Epitaxial Layer Overgrowth
EMDR	Executive Mission Data Review
EMR	European Midcourse Radar
EO	Electro-optical
EO/IR	Electro-Optical/Infrared
EQLB	Executive Quick Look Briefing
ESG	Engagement Sequence Group
ESI	External System Interface; Enterprise Software Initiative
ESL	External Sensors Lab
ETE	Element Test and Evaluation
ET	Embedded Test
EUCOM/IA	European Command Israeli Air Force
EWR	Early Warning Radar
EWS	Enterprise Work Stations
<b>F</b>	
FAC	First Alert and Cueing
FBS	Forward Based Sensor
FBX-T	Forward Based Radar - Transportable
FFP	Firm Fixed Price

## ACRONYMS AND ABBREVIATIONS

FFRDC	Federally Funded Research and Development Center
FISMA	Federal Information Security Management Act
FISS	Foreign Intelligence and Security Services
FMA	Foreign Material Acquisition; Foreign Military Asset
FMS	Foreign Military Sales
FS&E	Facilities, Siting & Environment
FT	Flight Test
FTF	Flexibility Target Family
FTM	Flight Test Mission
FTR	Flight Test Round
FY	Fiscal Year
FYDP	Future Years Defense Program
<b>G</b>	
GBI	Ground Based Interceptor
GBR-P	Ground Based Radar Prototype
GCC	Geographic Combatant Commanders
GCCS-J	Global Command and Control System - Joint
GCN	Global Command Network; GMD Communications Network
GEM	Guidance Enhancement Missiles (PATRIOT)
GFC / C	GMD Fire Control and Communications
GFE	Government Furnished Equipment
GIFC	Global Integrated Fire Control
GM	Ground-based Midcourse
GMD	Ground-based Midcourse Defense
GMAP	Government MDA Assurance Provisions
GNCC	Global Network Operations Center
GN&C / Propulsion	Guidance Navigation and Control
GTV	Guidance Test Vehicle
GS	Ground Systems
<b>H</b>	
HAA	High Altitude Airship
HAENS	High Altitude Exoatmospheric Nuclear Survivability
HALO	High Altitude Observatory
HARD	Hardening
HBCU/MI	Historically Black Colleges and Universities/Minority Institutions
HC	Hazardous Classification
HEL	High Energy Laser
HEMP	High Altitude Electromagnetic Pulse
HIL	Human-in-the-Loop; Hardware-in-the-Loop
HITL	Hardware-in-the-Loop
HPSI	High Power System Integration
HTI	Hyper temporal Infrared Sensor
HTK	Hit to Kill
HWIL	Hardware-in-the-Loop

## ACRONYMS AND ABBREVIATIONS

<b>I</b>	
IA	Information Assurance
IADP	Integrated Analysis Data Package
IAI	Israel Aircraft Industries
IAMD	Integrated Air and Missile Defense
IAR	Integrated Assessment Review
IBMP	Integrated Ballistic Missile Picture
IBR	Initial Baseline Review
ICAs	Industrial Capability Assessments
ICAR	Interim Capability Assessment Report
ICBM	Intercontinental Ballistic Missile
ICD	Interface Control Document
ICSS	Interim Contractor Support System
IDAP	Integrated Data Analysis Plans
IDD	Interface Design Documentation
ID/IQ	Indefinite Delivery/Indefinite Quantity
IDO	Initial Defensive Operations
IDMP	Integrated Data Management Plans
IDT	In-Flight Interceptor Communications System Data Terminal
IET	Integration Event Matrix
IETM	Integrated Electronic Technical Manual
IFICS	In-Flight Interceptor Communications System
IGT	Integrated Ground Test
IM	Insensitive Munitions
IM/IT	Information Management/Information Technology
IMDO	Israeli Missile Defense Organization
IMoD	Israeli Ministry of Defense
IMP	Integrated Master Plan
IMTP	Integrated Master Test Plan
IMU	Inertial Measurement Unit
IP	Integration Phase
IPT	Integrated Product Team
IR	Infrared
IRBM	Intermediate Range Ballistic Missile
IRFNA	Inhibited Red Fuming Nitric Acid
IRST	Infrared Search and Track
IRT	Independent Review Team
ISA&I	Israeli System Architecture and Integration
ISC	Intelligence Support Cell (MDA)
ISCD	Integrated System Configuration Database
ISG	Integration Synchronization Group
ISPAN	Integrated Strategic Planning and Analysis Network
ISSE	Information System Security Engineering
ISTC	Integrated System Test Capability
IT	Integrated Test; Information Technology

## ACRONYMS AND ABBREVIATIONS

ITB	Israeli Test Bed
ITP	Interceptor Technology Program
ITW/AA	Initial Threat Warning/Attack Assessment
<b>J</b>	
JADE	Joint Analysis Data Engine
JAT	Joint Analysis Teams
JABMD	Japan BMD
JCTV	Joint Control Test Vehicle
JDA	Japan Defense Agency
JDAC	Joint Data Analysis Center
JEWL	Joint Early Warning Laboratory
JFCC-IMD	Joint Functional Component Command - Integrated Missile Defense
JHU	John Hopkins University
JNIC	Joint National Integration Center, Schriever AFB, CO
JRD	Joint National Integration Center Research and Development
JRE	Joint Range Extension
JTAG	Joint Test Action Group
JTAMDO	Joint Theater Air and Missile Defense Organization
JTIDS	Joint Tactical Information Data System
JWICS	Joint Worldwide Intelligence Communications System
JWSP	Joint Warfighter Support Program
<b>K</b>	
KE	Kinetic Energy
KEI	Kinetic Energy Interceptor
KKV	Kinetic Kill Vehicle
KLC	Kodiak Launch Complex
KMRSS	Kwajalein Mobile Range Safety System
KPP	Knowledge Point
<b>L</b>	
LADAR	Laser Detection and Ranging; Laser Radar
LCT	Laser Communications Terminal
LDACS	Liquid Divert and Attitude Control System
LDC	Limited Defensive Capabiltiy
LOE	Low Earth Orbit
LOT	Launch on TADIL
LFT&E	Live Fire Test and Evaluation
LMSSC	Lockheed Martin Space Systems Company
LPSI - A	Low Power System Integration - Active
LRALT	Long Range Air Launched Target
LRBM	Long Range Ballistic Missile
LRS&T	Long Range Surveillance and Tracking
LTP	Laser Technology Program
LTPO	Lower Tier Program Office
LUT	Limited User Testing
LWIR	Long Wave Infrared
<b>M</b>	

## ACRONYMS AND ABBREVIATIONS

M&S	Modeling and Simulation; Materials and Structure
MAP	MDA Assurance Plan
MARC	MDA Assurance Representative
MARTI	Missile Alternative Range Target Instrument
MCS	Management Control System
MD	Missile Defense
MDA	Missile Defense Agency
MDDC	Missile Defense Data Center
MDR	Mission Data Review
MDSE	Missile Defense System Exerciser
MDSEC	Missile Defence Space Experimentation Center
MEB	Missile Equipment Building
MEIT	Multi-Element Integration Testing
MER	Manpower Estimate Report
M-FASP	Midcourse Fly Along Sensor Package
MHC/BLEA-GV	Multi-hypothesis correlation/BMDS Launch Event Association-Global Vision
MILCON	Military Construction
MILSATCOM	Military Satellite Communiattions
MIL-STD	Military Standards
MIP	Master Integration Plan
MIPR	Military Interdepartmental Purchase Request
MIS	MDSEC Interchange System
MIT	Miniature Interceptor Technology; Massachusetts Institute of Technology
MIT/LL	Massachusetts Institute of Technology, Lincoln Laboratory, Lexington, MA
MLP	Mobile Launch Platform
MMIC	Multi-Mission Integration Cell; Microwave Monolithic Integrated Circuits
MOA	Memorandum of Agreement
MOC	Missile Defense Agency Operations Center
MOST	Multiple Target Tracking Optical Sensor Array Technology
MOU	Memorandum of Understanding
MPAT	Producibility and Manufacturing Technology
MR	Modificaiton Request
MRBM	Medium Range Ballistic Missile
MRL	Multiple Rocket Launcher; Mission Requirements Letter
MRP	Missile Round Pallet
MRSS	Mobile Range Safety System
MRT	Medium Range Target
MRTF	Missions Readiness Task Force
MSK	Mechanical Steering Kit
MSTAR	Missile Defense Science, Technology & Research
MTSC	Micro Satellite Target System
<b>N</b>	
NCADE	Net Centric Airborne Defense Element
NCES	Net-Centric Enterprise Services
NCR	National Capital Region
NECC	National Enabled Command Capability
NECS	Network Enterprise Centric Services
NFIRE	Near Field Infrared Experiment

## ACRONYMS AND ABBREVIATIONS

NFR	Near Field Range
NGST	Northrop Grumman Space Technology
NMCC	National Military Command Center
NRL	Naval Research Laboratory, Washington, DC
<b>O</b>	
OBV	Objective Boost Vehicle
ODA	Optical Data Analysis
ODI	Offensive/defensive Intergration
OEM	Original Equipment Manufacturers
OIS	Orbital Insertion Stage
OI&S	Operational Integration and Support
ONIR	Overhead Non-imaging Infrared
OPLAN	Operations Plan
OPSCAP	Operations Capabilities
OSC	Operations Support Center
OTA	Operational Test Agency
OTHR	Over The Horizon Radar
OVA	Operational Viability Assessment
<b>P</b>	
PA	Project Arrangement
PACOM	U.S. Pacific Command
PAC-3	Patriot Advanced Capability-3
PB	President's Budget
PBL	Performance Based Logistics
PCB	Program Change Board
PCCS	Protected Communication Control System
PCIL	Prime Consolidated Integration Laboratory
PCR	Preliminary Capabilitiy Review
PDM	Program Decision Memorandum
PDR	Preliminary Design Review
PE	Program Element
PFR	Post Flight Reconstruction
PMAP	Process Mission Assurance Plan
PMRF	Pacific Missile Range Facility, Barking Sands, Kauai, HI
PMT	Pre-Mission Test
POAP	Photoconduction On Active Pixels
PPU	Prime Power Unit
PROCAP	Protection Capability
PRST	Pacific Range Support Team
PSN	Parallel Staging Area
PTV	Propulsion Test Vehicle
<b>Q</b>	
QLB	Quick Look Briefing
QLRB	Quick Launch Response Boat
QQPR	Qualitative Quantitative Personnel Requirements
QSMA	Qualty Safety and Mission Assurance
QWIP	Quantum Well Infrared Photo Detector

## ACRONYMS AND ABBREVIATIONS

<b>R</b>	
RAD	Radiation
RAM	Reliability, Availability and Maintainability
RDA	Radar Data Analysis
RDC	Radar Data Collection
RDE	Radar Data Exploitation
RDSIS	Radar Digital Signal Injection System
REC	Records of Environmental Consideration
REO	Responsible Engineering Organization
RF	Radio Frequency
RFP	Request for Proposal
RIDT	Reocatable IDT
RM&A	Reliability, Maintainability and Availability
ROE	Rules of Engagement
ROTHR	Relocatable Over-the-Horizon Radar
RRF	Risk Reduction Flight
RSAP	Range Safety Augmentation Program
RSMT	Range Safety Modeling Toolkit
RST	Radar System Technology
RTO	Responsible Test Organization
RTOS	Real Time Operating System
RTS	Ronald Reagan Test Site, Kwajalein, Marshall Islands
RSA	Redstone Arsenal
<b>S</b>	
SADBU	Small And Disadvantaged Business Unit
SATCOM	Satellite Communications
SBAR	Small Business Award
SBIR	Small Business Innovative Research
SBIRS	Space Based Infrared System
SBIRS-LOW	Space Based Infrared System-Low
SBX	Sea Based Test XBR
SCD	SM-3 Cooperative Development
SCR	System Capability Review
SDACS	Solid Divert Attitude Control System
SDR	System Design Review; Software Design Review
SEBO	Systems Engineering Behavioral Objectives
SETA	Scientific Engineering and Technical Assistance
SIAR	System Impact Assessment Report
SILL	Strategic Illuminator Laser
SIM	Simulation
SIV	Silo Interface Vault
SLAL	Small Laser Amplifier for Ladar
SM	Standard Missile
SM-3	Standard Missile 3
SMDC	Space and Missile Defense Command, U.S. Army
SME	Subject Matter Expert
SMR	System Modification Request

## ACRONYMS AND ABBREVIATIONS

SOA	Service Oriented Architecture
SPEAR	Scalable Panels for Efficient Affordable Radar
SRBMD	Short Range Ballistic Missile Defense
SRR	System Requirements Review; Software Readiness Review
SS	Sole Source, Summary Screens
SSAA	System Security Authorization Agreement
SSD	System Specific Documentation
SSKA	Spectral Sensing for Kill Assessment
SSTB	STSS Surrogate Test Bed
STAR	Strategic Threat Assessment Report; System Test Analysis Report
STARS	Strategic Target System
STL	System Test Lab
STRATCOM	US Strategic Command
STS	Stockpile to Target Sequence
STSS	Satellite Tracking and Surveillance System
STTR	Small Business Technology Transfer
SWIL	Software-in-the-Loop
<b>T</b>	
T&E	Test and Evaluation
TACL	Tailored Aperture Ceramic Laser
TADIL-J	Tactical Digital Information Link Joint
TA&R	Test Analysis & Reporting
TBM	Theater Ballistic Missile
TBMCS	Theater Battle Management Core Systems
TBONE	Theater Battle Operations Network Centric Environment
TCCB	Test Configuration Control Board
TCN	Tactical Component Network
TCS	Test Control System
TCWG	Test Configuration Working Group
TDP	Truth Data Package
TDRD	Truth Data Requirements Document
TDS	Terminal Defense Segment
TEC	Test Execution Control
TEDAC	Test & Evaluation Data Analysis Capability
TEMP	Test and Evaluation Master Plan
TF	Task Force
TFCC	THAAD Fire Control and Communications
THAAD	Terminal High Altitude Area Defense
TIC	Test Integration Council
TILL	Threat Level Classification Algorithm
TOG	Technical Objectives and Goals
TOO	Test of Opportunity; Target of Opportunity
TPFDD	Timed Phased Force Deployment Data
TRIMM	Transmit/Receive Integrated Microwave Modules
TRM	Transmit/Receive Modules
TRMP	Test Resource Master Plan
TSG	Tactical Support Groups
TSP	Track Sensor Payload

## ACRONYMS AND ABBREVIATIONS

TTP	Tactics, Techniques, and Procedures
TTS	Transportable Telemetry Systems
<b>U</b>	
UARC	University Affiliated Research Centers
UDS	Universal Documentation Status
UEWR	Upgraded Early Warning Radar
UHF	Ultra High Frequency
USFJ	United States Forces Japan
USFK	United States Forces Korea
USNCR	United States National Capital Region
USMTF	United States Message Text Format
USSOUTH	United States South
<b>V</b>	
V&V	Verification and Validation
VAFB	Vandenberg Air Force Base, CA
VECP	Value Engineering Change Proposal
VLS	Vertical Launching System
VV&A	Verification, Validation and Accreditation
<b>W</b>	
WASP	Wide-body Airborne Sensor Platform
WG	Wargame
WIP	Warfighter Involvement Process
WMD	Weapons of Mass Destruction
WSC	Warfighter Support Center
WSERB	Weapons System Explosive Safety Review Board
WSMR	White Sands Missile Range, White Sands, NM
<b>X</b>	
XBR	X-Band Radar
X-Lab	Experimental Laboratory
XML	Extensible Markup Language
XTR	X-band Transportable Radar

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