

UNCLASSIFIED

**Missile Defense Agency
Fiscal Year (FY) 2013 Budget Estimates**

ACRONYMS AND ABBREVIATIONS

A	
A&AS	Advisory and Assistance Services
AAMDC	Army Air Missile Defense Command
ABIR	Airborne Infrared Radar
ABL	Airborne Laser
ABS	American Bureau of Shipping
ACD	Adversary Capability Document
ACD&P	Component Development and Prototypes
ACL	Achievable Capabilities List
ADP	Arrow Deployability Program; Automated Data Processing; Adversary Delta Package
AEP	Analysis Execution Plans
AFB	Air Force Base
AFS	Avionics Flight Software
ALTBMD	Active Layered Theater Ballistic Missile Defense
AMPP	Arrow Missile Production Program
ANMC	Anniston Munitions Center
AN/TPY	Army Navy/Transportable Radar Surveillance
AOC	Air Operations Center
AOR	Area of Responsibility
APL	Applied Physics Laboratory
ARAV	Aegis Readiness Assessment Vehicles
ARO	All Reflective Optics
ASIP	Arrow System Improvement Program; Application Specific Integrated Circuit
ASP	Advanced Signal Processor
AST	Airborne Surveillance Test Bed; Arrow System Test
ATD	Advanced Technology Development
AT&L	Acquisition, Technology and Logistics
AWS	Arrow Weapon System; AEGIS Weapon System
B	
BCA	Business Case Analysis; BMDS Capability Assessment
BC/FC	Beam Control/Fire Control
BCSC-T	BMDS Communication System Complex Transportable
BM	Battle Management; Ballistic Missile
BMD	Ballistic Missile Defense
BMDS	Ballistic Missile Defense System
BNOSC	BMDS Network Operations and Security Center
BOA	BMDS Overhead Non-imaging Infrared (ONIR) Architecture
BQT	Block Qualification Testing
BRAC	Base Realignment and Closure
BSC	Battery Support Center
BSO	BMDS Safety Officers
BSP	BMD Signal Processor
BVT	Booster Verification Test
BWO	BMDS Watch Officers

ACRONYMS AND ABBREVIATIONS

C	
C2BMC	Command and Control, Battle Management, and Communications
CCC	C2BMC Control Center
CCAR	Comprehensive Cost and Requirement System
CCM	Counter Counter-Measures
CCMWG	Common Cost Methodology Working Group
CD	Concept Descriptions; Cobra Dane
CDR	Critical Design Review
CDU	Cobra Dane Upgrade
CE	Capability Enhanced
CEC	Critical Engagement Conditions
CEM	Carrier Electronics Module
C/FFP	Cost Fixed Firm Price
CICA	Competition and Contracting Act
CLE	Command and Launch Equipment
CLS	Contractor Logistics Support
CMART	Consolidated Missile Asset Reused for Targets
CMOC	Cheyenne Mountain Operations Center
CMP	Common Message Processor
CNIP	C2BMC Network Interface Processor
COCOM	Combatant Commander
COCOM C2	Combatant Command-Command and Control
COIL	Chemical Oxygen-Iodine Laser
COMSEC	Communication Security
CONOPS	Concept of Operations
CONUS	Continental United States
COOP	Calibrated Orbiting Objects Program (COOP)
COTS	Commercial Off-The-Shelf
CPAF	Cost Plus Award Fee
CPIF	Cost-Plus-Incentive-Fee
CPFF	Cost Plus Fixed Fee
CR	Capability Release
CSS	Contractor Support Services
CTEIP	Central Test and Evaluation Investment Program
CTTO	Concurrent Test, Training and Operations
CTV	Control Test Vehicle
CY	Calendar Year
D	
DAA	Defense Appropriations Act
DACS	Divert and Attitude Control System
DCMA	Defense Contract Management Agency
DFAS	Defense Finance and Accounting Service
DIACAP	DoD Information Assurance Certification and Accreditation Process
DISA	Defense Information Systems Agency
DISN	Defense Information Systems Network
DMETS	Distributed, Multi-Echelon Training System
DoD	Department of Defense
DOT&E	Director, Operational Test and Evaluation
DREN	Defense Research Engineering Network
DSA	Digital Simulations Architecture

ACRONYMS AND ABBREVIATIONS

DSWS	David's Sling Weapon System
DT/OT	Development Test/Operational Test
DVT	Development Verification Test
DW	Defense Wide
E	
E-LRALT	Enhanced Long Range Air Launch Target
EA	Executing Agent
EADSIM	Extended Air Defense Simulation
ECI	European Communications Interface
ECS	Element Capability Specification
EDM	Engineering Development Model
EDP	Evolutionary Development Program
EHF	Extremely High Frequency
EI	Early Intercept
EIS	European Interceptor Site
EKV	Exoatmospheric Kill Vehicle
EMDR	Executive Mission Data Review
EME	Empirical Measurement Events
EMR	European Midcourse Radar
EO/IR	Electro-Optical/Infrared
EoR	Engage on Remote
EQLB	Executive Quick Look Briefing
ESI	External System Interface; Enterprise Software Initiative
ESL	External Sensors Lab
ET	Embedded Test
EUCOM	European Command
EW SPT	Early Warning Special Product Team
EWR	Early Warning Radar
EWS	Enterprise Work Stations
F	
FDE	Force Developers Evaluation
FFP	Firm Fixed Price
FFRDC	Federally Funded Research and Development Center
FPA	Focal Plane Array
FMA	Foreign Material Acquisition; Foreign Military Asset
FMS	Foreign Military Sales
FT	Flight Test
FTF	Flexibility Target Family
FTG	Flight Test GMD
FTM	Flight Test Mission
FY	Fiscal Year
FYDP	Future Years Defense Program
G	
GBI	Ground Based Interceptor
GBR-P	Ground Based Radar Prototype
GCN	Global Command Network; GMD Communications Network
GEM	Global Engagement Manager; Guidance Enhancement Missiles (PATRIOT)
GFC / C	GMD Fire Control and Communications
GFI	Government Furnish Information

ACRONYMS AND ABBREVIATIONS

GGT	Government Ground Test
GIG	Global Information Grid
GM	Ground-based Midcourse
GMD	Ground-based Midcourse Defense
GN&C	Guidance Navigation and Control
GS	Ground Systems
GTD	Ground Test Distributed
GTI	Ground Test Integrated
GTX	Ground Test (Element to Element)
H	
HACNE	High Availability Comm Node Equipment
HAENS	High Altitude Exoatmospheric Nuclear Survivability
HALO	High Altitude Observatory
HBCN	High Mobility Multipurpose Wheeled Vehicle (HMMWV) Based Communication Node
HEL	High Energy Laser
HEMP	High Altitude Electromagnetic Pulse
HIL	Human-in-the-Loop; Hardware-in-the-Loop
HWIL	Hardware-in-the-Loop
HMMWV	High Mobility Multipurpose Wheeled Vehicle
I	
IA	Information Assurance
IAI	Israel Aircraft Industries
IAM	Information Assurance Manager
IAMD	Integrated Air and Missile Defense
ICBM	Intercontinental Ballistic Missile
ICD	Interface Control Document
ICOFT	Institutional Conduct of Fire Trainer
ICSS	Interim Contractor Support System
IDF	Israel's Defense Forces
IDT	In-Flight Interceptor Communications System Data Terminal
IETM	Integrated Electronic Technical Manual
IFICS	In-Flight Interceptor Communications System
ILS	Integrated Logistics Support
IM	Insensitive Munitions
IM/FHC	Insensitive Munitions / Final Hazard Classification
IMoD	Israeli Ministry of Defense
IMP	Integrated Master Plan
IMTP	Integrated Master Test Plan
IPT	Integrated Product Team
IR	Infrared
IRBM	Intermediate Range Ballistic Missile
IRST	Infrared Search and Track
IRT	Independent Review Team
ISA&I	Israeli System Architecture and Integration
ISC	Intelligence Support Cell (MDA)
ISSE	Information System Security Engineering
ISSRB	Ignition System Safety Review Board
ISTS	Integrated Simulation and Tactical Software
IT	Integrated Test; Information Technology
ITB	Israeli Test Bed

ACRONYMS AND ABBREVIATIONS

ITP	Interceptor Technology Program
J	
JAT	Joint Analysis Teams
JDA	Japan Defense Agency
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
JTF-GNO	Joint Task Force-Global Network Operations
JITC	Joint Interoperability Test Certification
JTIDS	Joint Tactical Information Data System
JTOC	JNIC Target Operations Center
K	
KE	Kinetic Energy
KMR	Kwajalein Missile Range
KMRSS	Kwajalein Mobile Range Safety System
KTF	Kauai Test Facility
KM	Kilometers
KV	Kill Vehicle
L	
LAN	Local Area Network
LCT	Laser Communications Terminal
LDC	Limited Defensive Capability
LGG	Light Gas Gun
LORA	Level of Repair Analysis
LOT	Launch on TADIL
LFT&E	Live Fire Test and Evaluation
LMI	Logistics Management Information
LMSSC	Lockheed Martin Space Systems Company
LRALT	Long Range Air Launched Target
LRBM	Long Range Ballistic Missile
LRS&T	Long Range Surveillance and Tracking
LSE	Launch Support Equipment
LTP	Laser Technology Program
LTPO	Lower Tier Program Office
LUT	Limited User Testing
M	
M&S	Modeling and Simulation; Materials and Structure
MAP	MDA Assurance Plan
MARC	MDA Assurance Representative
MARTI	Missile Alternative Range Target Instrument
MASINT	Measures and Signals Intelligence
MCS	Management Control System
MD	Missile Defense
MDA	Missile Defense Agency
MDEB	Missile Defense Executive Board
MDIOC	Missile Defense Integrated Operations Center

ACRONYMS AND ABBREVIATIONS

MDR	Mission Data Review
MDSE	Missile Defense System Exerciser
MDSEC	Missile Defense Space Experimentation Center
MEB	Missile Equipment Building; Mechanical Electrical Building
MER	Manpower Estimate Report
MET	Modernization Enterprise Terminal
MiDAESS	Missile Defense Agency Engineering and Support Services
MILCON	Military Construction
MIL-STD	Military Standards
MIP	Master Integration Plan
MIPS	Missile Defense Planning System
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
MRBM	Medium Range Ballistic Missile
MRL	Multiple Rocket Launcher; Mission Requirements Letter
MRP	Missile Round Pallet
MRRB	Materiel Release Review Board
MRSS	Mobile Range Safety System
MRT	Medium Range Target
MTEPP	Master Test and Evaluation Program Plan
MTT	Missile Transport Trailer
N	
NATO	North Atlantic Treaty Organization
NAVSEA	Naval Sea Systems Command
NCA	National Command Authority
NCES	Net-Centric Enterprise Services
NCR	National Capital Region
NFIRE	Near Field Infrared Experiment
NGST	Northrop Grumman Space Technology
NORAD	North American Aerospace Defense Command
NORTHCOM	Northern Command
NIPRNET	Non-Secure Internet Protocol Router Network
NMCC	National Military Command Center
NRL	Naval Research Laboratory, Washington, DC
NTD	Near-Term Discrimination
O	
O&M	Operations and Maintenance
OCONUS	Outside of CONUS
ODA	Optical Data Analysis
ODI	Offensive/defensive Integration

ACRONYMS AND ABBREVIATIONS

OGA	Other Government Agency
OIS	Orbital Insertion Stage
ONIR	Overhead Non-Imaging Infra-Red
OPIR	Overhead Persistent Infrared
OPLAN	Operations Plan
OPSCAP	Operations Capabilities
OSC	Operations Support Center
OSS	Off-Shore Support
OTA	Operational Test Agency
OTHR	Over The Horizon Radar
OVA	Operational Viability Assessment
P	
PA	Project Arrangement
PAA	Phased Adaptive Approach
PAM	Planning Allocation Matrix
PACOM	U.S. Pacific Command
PAC-3	Patriot Advanced Capability-3
PB	President's Budget
PBL	Performance Based Logistics
PDR	Preliminary Design Review
PDS	Post Deployment Software
PDSS	Post Deployment Software Support
PE	Program Element
PFR	Post Flight Reconstruction
PIDS	Prime Item Development Specification
PMAP	Process Mission Assurance Plan
PMRF	Pacific Missile Range Facility, Barking Sands, Kauai, HI
PMT	Pre-Mission Test
PPU	Prime Power Unit
PROCAP	Protection Capability
PRST	Pacific Range Support Team
PSN	Parallel Staging Area
PTE	Plant Estimates
PTSS	Precision Tracking Space System
PTV	Propulsion Test Vehicle
PY	Prior Year
Q	
QLB	Quick Look Briefing
QSMA	Quality Safety and Mission Assurance
R	
RAM	Reliability, Availability and Maintainability
RCS	Radar Cross Section
RDEC	Research, Development, and Engineering Center
RDSIS	Radar Digital Signal Injection System
RDT&E	Research, Development, Test, and Evaluation
RF	Radio Frequency
RFA	Requests for Analysis
RFI	Requests for Information
RFP	Request for Proposal

ACRONYMS AND ABBREVIATIONS

RFSG	Radio Frequency Scene Generator
RRF	Risk Reduction Flight
RST	Radar System Technology
RTO	Responsible Test Organization
RTOS	Real Time Operating System
RTS	Ronald Reagan Test Site, Kwajalein, Marshall Islands
RSA	Redstone Arsenal
RV	Reentry Vehicle
S	
SATCOM	Satellite Communications
SBIR	Small Business Innovative Research
SBIRS	Space Based Infrared System
SBX	Sea Based Test X-Band Radar
SCD	SM-3 Cooperative Development
SCR	System Capability Review
SDACS	Solid Divert Attitude Control System
SDR	System Design Review; Software Design Review
SEAR	System Engineering Assessment Report
SEBO	Systems Engineering Behavioral Objectives
SETA	Scientific Engineering and Technical Assistance
SIPRNET	Secret Internet Protocol Router Network
SIM	Simulation
SM	Standard Missile
SM-3	Standard Missile 3
SMDC	Space and Missile Defense Command, U.S. Army
SME	Subject Matter Expert
SNL	Sandia National Lab
SOLD	Simulation-Over-Live Driver
SPFR	System Post Flight Reconstruction
SRALT	Short Range Air Launch Target
SRBM	Short Range Ballistic Missile
SRBMD	Short Range Ballistic Missile Defense
SRR	System Requirements Review; Software Readiness Review
SS	Sole Source, Summary Screens
SSF	Single Stimulation Framework
STARS	Strategic Target System
STRATCOM	US Strategic Command
STS	Stockpile to Target Sequence
STSS	Satellite Tracking and Surveillance System
STTR	Small Business Technology Transfer
T	
TADIL-J	Tactical Digital Information Link Joint
TC	Targets and Countermeasures
TDACS	Throttleable Divert and Attitude Controls System
TDP	Truth Data Package; Threat Data Packages
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

ACRONYMS AND ABBREVIATIONS

TES	Theater Event System
TFCC	THAAD Fire Control and Communications
THAAD	Terminal High Altitude Area Defense
TMW	Theater Missile Warning
TOG	Technical Objectives and Goals
TOO	Test of Opportunity; Target of Opportunity
TTP	Tactics, Techniques & Procedures
TSG	Tactical Support Groups
TTS	Transportable Telemetry Systems
T&E	Test and Evaluation
U	
UARC	University Affiliated Research Centers
UDS	Universal Documentation Status
UEWR	Upgraded Early Warning Radar
UHF	Ultra High Frequency
UID	Unique Identification
UK	United Kingdom
USFJ	United States Forces Japan
USFK	United States Forces Korea
USMTF	United States Message Text Format
USNORTHCOM	United States Northern Command
USPACOM	United States Pacific Command
USSTRATCOM	United States Strategic Command
V	
V&V	Verification and Validation
VAFB	Vandenberg Air Force Base, CA
VLS	Vertical Launching System
VV&A	Verification, Validation and Accreditation
W	
WASP	Wide-body Airborne Sensor Platform
WMD	Weapons of Mass Destruction
WSC	Wargames Support Center
WSEIT	Weapon Sys Engr & Integ Team
WSMR	White Sands Missile Range, White Sands, NM
X	
XBR	X-Band Radar
X-Lab	Experimental Laboratory
XML	Extensible Markup Language
XTR	X-band Transportable Radar