

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2007

| BUDGET ACTIVITY | | PE NUMBER AND TITLE | | | | | | | | |
|--|-------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------|
| 4 - Advanced Component Development and Prototypes | | 0603305A - Army Missile Defense Systems Integration | | | | | | | | |
| COST (In Thousands) | FY 2006 Actual | FY 2007 Estimate | FY 2008 Estimate | FY 2009 Estimate | FY 2010 Estimate | FY 2011 Estimate | FY 2012 Estimate | FY 2013 Estimate | Cost to Complete | Total Cost |
| Total Program Element (PE) Cost | 78756 | 88001 | 14389 | 14034 | 14569 | 13954 | 41588 | 166980 | | 473495 |
| TR3 MOBILE TACTICAL HIGH ENERGY LASER (MTHEL) | 2396 | | | | | | | | | 43620 |
| TR4 MISSILE DEFENSE INTEGRATION | 63471 | 78571 | 1800 | 1369 | 1682 | | | | | 146893 |
| TR5 MISSILE DEFENSE BATTLELAB | 11930 | 9430 | 12589 | 12665 | 12887 | 13954 | 16588 | 16980 | | 107023 |
| TR6 ARMY AIR AND MISSILE DEFENSE | 959 | | | | | | | | | 959 |
| TR7 MOBILE DIRECTED ENERGY WEAPON SYSTEM (MDEWS) | | | | | | | 25000 | 150000 | | 175000 |

A. Mission Description and Budget Item Justification: This Program Element funds missile defense systems integration efforts for both the US Army Space and Missile Defense Command (USASMDC) and the Program Executive Office for Missiles and Space (PEO-MS).

Project TR4 funds the Future Warfare Center (FWC) Directorate of Combat Development, to execute SMDC's specified proponentcy role for maturing solutions to Doctrine, Organizations, Training, Materiel, Leadership and Education, Personnel and Facilities (DOTMLPF) issues related to Ground-Based Missile Defense.

Project TR5 funds FWC, Space and Missile Defense Battle Lab (SMDBL) to mature warfighting concepts, focus military science and technology research, and conduct warfighting experiments associated with SMDC's Army Service Component Command (ASCC) mission. Additionally, this project funds the delivery of innovations to the warfighter through prototyping, operational analysis, and experimentation in support of current and future Forces.

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|--|--|--|--|--|
| BUDGET ACTIVITY | PE NUMBER AND TITLE | | | |
| 4 - Advanced Component Development and Prototypes | 0603305A - Army Missile Defense Systems Integration | | | |

| <u>B. Program Change Summary</u> | FY 2006 | FY 2007 | FY 2008 | FY 2009 |
|---|---------|---------|---------|---------|
| Previous President's Budget (FY 2007) | 81494 | 11233 | 11272 | 13819 |
| Current BES/President's Budget (FY 2008/2009) | 78756 | 88001 | 14389 | 14034 |
| Total Adjustments | -2738 | 76768 | 3117 | 215 |
| Congressional Program Reductions | | -336 | | |
| Congressional Rescissions | | | | |
| Congressional Increases | | 77750 | | |
| Reprogrammings | -2738 | -646 | | |
| SBIR/STTR Transfer | | | | |
| Adjustments to Budget Years | | | 3117 | 215 |

Project TR3 FY06 Congressional Add is in the amount of \$2.5 million for Mobile Tactical High Energy Laser (MTHHEL).

Project TR4 FY06 Congressional Adds in the amount of \$62 million include the following projects: Advanced Battery Technology; Advanced Laser Electric Power; Advanced Strap Down Seeker (ASDS); Aero Acoustic Test Facility (Phase II); Advanced Electronics Rosebud Integration; Thermo-Acoustic Piezo Energy Conversion; Ballute Technology Development; Biological Air Filtering System Technology (BAFST); Carbon Foam Program; Component Integrated Modeling and Simulation Test Analysis Environment; Continuation of Microelectromechanical Systems and Nanotechnology; Credible Threat Prediction Capability Development; Dielectric Enhanced Sensor Systems (DESS); Global Infrasound Monitoring; Integrated Composite Missile Structures; Joint Wavelet Transform of Hyperspectral Data (JWaTH); Low Cost Avionics; Low Cost Surveillance System (LCSS); Mobile Optical Sensor Suite (MOSS); Multiple Component Army Flight Test; Next Generation Interceptors Materials Research; Next Generation Passive Sensors; Radar Power Technology (RPT); Radar-on-a-Chip (RAD-CHIP) Research Program; Standoff Hazardous Agent Detection and Evaluation System (SHADES) Research Program; Standoff Sensor for Radionuclide Identification (SSRID); Thermal and Electronic Nanoscale Transport (TENT); Transfer Missile Power System Onboard Vehicle Power; UAV Platform for Sensor Package and Mission Profile Development; Ultra Light UAV Sensor Platform; and Vertical Integration for Missile Defense Surveillance Data.

Project TR6 FY06 Congressional Add is for Medical Imaging.

Includes FY07 Congressional Adds (\$77.8M) for Advanced Battery Technology; Advanced Cavitation Power Technology; Advanced Electronics Integration Center; Advanced Fuel Cell Research Program; Advanced Hypersonic Weapon BMC2 HWIL Technology; Aero Acoustic Test Facility (Phase II); Army Missile Defense Systems Integration; Carbon Foam Program; Combustion Driven Compaction; Dielectric Enhanced Sensor Systems (DESS); Extended Range Attach Missile; Future Tactical Operations Center Hardware/Software Integration; Geospatial Airship Research Platform; Global Infrasound Monitoring; Hypersonic Thermal Protection Materials Development; Integrated Air and Missile Defense BMC4I HWIL Test Bed; Joint Wavelet Transform of Hyperspectral Data (JWaTH); Low Cost Uncooled Infrared Camera for Missile Defense; Low Cost Avionics; Low-Earth Orbit Nanosatellite Integrated Defense Autonomy; Micro Seeker System for Small Steerable Projectiles; Missile and Space Modeling and Simulation Technology; Modeling Environment for Target Scenario Testing; Multiple Component Army Flight Tests; Next Generation Advanced Materials Research; Next Generation Passive Sensors; Orion High Altitude Long Loiter UAV; P3 Micro-Power Devices; Radiation Hardening Technology; Reagan Test Site Distributed Operations Control Center;

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

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BUDGET ACTIVITY

PE NUMBER AND TITLE

4 - Advanced Component Development and Prototypes

0603305A - Army Missile Defense Systems Integration

Standoff Hazardous Agent Detection and Evaluation System (SHADES) Research Program; Standoff Sensor for Radionuclide Identification (SSRID); Technology Transfer from Missile Defense for Improved Medical Imaging; Thermal and Electrical Nanoscale Transport (TENT); Transfer Missile Power System; Ultra Light UAV Sensor Platform.

FY08 increase sustains the FWC SMDBL (TR5) at required funding level.

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2007

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|--|-------------------|---------------------|--|---------------------|---------------------|---------------------|---------------------|------------------------------|---------------------|------------|
| BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes | | | PE NUMBER AND TITLE 0603305A - Army Missile Defense Systems Integration | | | | | PROJECT TR4 | | |
| COST (In Thousands) | FY 2006 Actual | FY 2007 Estimate | FY 2008 Estimate | FY 2009 Estimate | FY 2010 Estimate | FY 2011 Estimate | FY 2012 Estimate | FY 2013 Estimate | Cost to Complete | Total Cost |
| TR4 MISSILE DEFENSE INTEGRATION | 63471 | 78571 | 1800 | 1369 | 1682 | | | | | 146893 |

A. Mission Description and Budget Item Justification: Headquarters Department of the Army (HQDA) General Order No. 5, 1 March 1998, designated the US Army Space and Missile Defense Command (USASMD) the Army specified proponent for National Missile Defense (NMD) and the Army operational integrator for Theater Missile Defense (TMD), and AR 5-22 designates USASMD as the specified proponent for Ballistic Missile Defense (BMD). As such, USASMD is responsible to develop warfighting concepts, conduct warfighting experiments to validate those concepts, identify capabilities needed to implement the validated concepts, and develop Doctrine, Organization, Training, Materiel, Leadership & Education, Personnel and Facilities (DOTMLPF) solutions to realize those missile defense capabilities.

| <u>Accomplishments/Planned Program:</u> | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> |
|---|----------------|----------------|----------------|----------------|
| Continue efforts to integrate concepts and DOTMLPF solutions for ground-based missile defense capabilities, across the four domains of missile defense (passive defense, active defense, attack operations and battle management). | 1501 | 1645 | 1800 | 1369 |
| Includes FY06 Congressional Adds for Advanced Battery Technology; Advanced Laser Electric Power; Advanced Strap Down Seeker (ASDS); Aero Acoustic Test Facility (Phase II); Army Missile Defense; Advanced Electronics Rosebud Integration; Army Missile Defense Integration of Thermo-Acoustic Piezo Energy Conversion; Ballute Technology Development; Biological Air Filtering System Technology (BAFST); Carbon Foam Program Missile Defense; Component Integrated Modeling and Simulation Test Analysis Environment; Continuation of Microelectromechanical Systems and Nanotechnology; Credible Threat Prediction Capability Development; Dielectric Enhanced Sensor Systems (DESS); Global Infrasound Monitoring; Integrated Composite Missile Structures; Joint Wavelet Transform of Hyperspectral Data (JWaTH); Low Coast Avionics; Low Cost Surveillance System (LCSS); Mobile Optical Sensor Suite (MOSS); Multiple Component Army Flight Test; Next Generation Interceptors Materials Research; Next Generation Passive Sensors; Radar Power Technology (RPT); Radar-on-a-Chip (RAD-CHIP) Research Program; Standoff Hazardous Agent Detection and Evaluation System (SHADES) Research Program; Standoff Sensor for Radionuclide Identification (SSRID); Thermal and Electronic Nanoscale Transport (TENT); Transfer Missile Power System; Onboard Vehicle Power; UAV Platform for Sensor Package and Mission Profile Development; Ultra Light UAV Sensor Platform; Vertical Integration for Missile Defense Surveillance Data. | 61970 | | | |
| Includes FY07 Congressional Adds for Advanced Battery Technology; Advanced Cavitation Power Technology; Advanced Electronics Integration Center; Advanced Fuel Cell Research Program; Advanced Hypersonic Weapon BMC2 HWIL Technology; Aero Acoustic Test Facility (Phase II); Army Missile Defense Systems Integration; Carbon Foam Program; Combustion Driven Compaction; Dielectric Enhanced Sensor Systems (DESS); Extended Range Attach Missile; Future Tactical Operations Center Hardware/Software Integration; Geospatial Airship Research Platform; Global Infrasound Monitoring; Hypersonic Thermal Protection Materials Development; Integrated Air and Missile Defense BMC4I HWIL Test Bed; Joint Wavelet Transform of Hyperspectral Data (JWaTH); Low Cost Uncooled Infrared Camera for Missile Defense; Low Cost Avionics; Low-Earth Orbit Nanosatellite Integrated Defense Autonomy; Micro Seeker System for Small Steerable Projectiles; Missile and Space Modeling and Simulation Technology; Modeling Environment for Target Scenario Testing; Multiple Component Army Flight Tests; Next Generation Advanced Materials Research; Next Generation Passive Sensors; Orion High Altitude Long Loiter UAV; P3 Micro-Power Devices; Radiation Hardening Technology; Reagan Test Site Distributed Operations Control | | 74766 | | |

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2007

| BUDGET ACTIVITY | PE NUMBER AND TITLE | PROJECT | | |
|--|--|--------------|-------------|-------------|
| 4 - Advanced Component Development and Prototypes | 0603305A - Army Missile Defense Systems Integration | TR4 | | |
| Center; Standoff Hazardous Agent Detection and Evaluation System (SHADES) Research Program; Standoff Sensor for Radionuclide Identification (SSRID); Technology Transfer from Missile Defense for Improved Medical Imaging; Thermal and Electrical Nanoscale Transport (TENT); Transfer Missile Power System; Ultra Light UAV Sensor Platform. | | | | |
| Small Business Innovative Research/Small Business Technology Transfer Programs | | 2160 | | |
| Total | 63471 | 78571 | 1800 | 1369 |

B. Other Program Funding Summary Not applicable for this item.

C. Acquisition Strategy Program supports the continuous integration of Army ground-based missile defense capabilities and Doctrine, Organization, Training, Material, Leadership & Education, Personnel and Facilities (DOTMLPF) solutions. Various performers will conduct planned accomplishments.

ARMY RDT&E COST ANALYSIS (R3)

February 2007

| BUDGET ACTIVITY | | | PE NUMBER AND TITLE | | | | | | | | | PROJECT | | |
|---|----------------------------|--|---|--------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|------------------|------------|--------------------------|
| 4 - Advanced Component Development and Prototypes | | | 0603305A - Army Missile Defense Systems Integration | | | | | | | | | TR4 | | |
| I. Product Development | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY 2006 Cost | FY 2006 Award Date | FY 2007 Cost | FY 2007 Award Date | FY 2008 Cost | FY 2008 Award Date | FY 2009 Cost | FY 2009 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Various | Execute Congressional Adds | Various | 101487 | 61970 | 2-Q | 74766 | 1-Q | | | | | | 238223 | |
| Subtotal: | | | 101487 | 61970 | | 74766 | | | | | | | 238223 | |
| II. Support Costs | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY 2006 Cost | FY 2006 Award Date | FY 2007 Cost | FY 2007 Award Date | FY 2008 Cost | FY 2008 Award Date | FY 2009 Cost | FY 2009 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Govt support & support contracts | Various | Various in Colorado Springs CO and Huntsville AL | 6915 | 1501 | 1-Q | 1645 | 1-Q | 1800 | | 1369 | | | 13230 | |
| SBIR/STTR | | | | | | 2160 | | | | | | | 2160 | |
| Subtotal: | | | 6915 | 1501 | | 3805 | | 1800 | | 1369 | | | 15390 | |
| III. Test And Evaluation | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY 2006 Cost | FY 2006 Award Date | FY 2007 Cost | FY 2007 Award Date | FY 2008 Cost | FY 2008 Award Date | FY 2009 Cost | FY 2009 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Subtotal: | | | | | | | | | | | | | | |
| IV. Management Services | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY 2006 Cost | FY 2006 Award Date | FY 2007 Cost | FY 2007 Award Date | FY 2008 Cost | FY 2008 Award Date | FY 2009 Cost | FY 2009 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Subtotal: | | | | | | | | | | | | | | |

ARMY RDT&E COST ANALYSIS (R3)

February 2007

BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

4 - Advanced Component Development and Prototypes

0603305A - Army Missile Defense Systems Integration

TR4

Project Total Cost:

108402

63471

78571

1800

1369

253613

Schedule Profile (R4 Exhibit)

February 2007

| BUDGET ACTIVITY | PE NUMBER AND TITLE | | | | | | | | | | | | | | | | PROJECT | | | | | | | | | | | | | | | |
|---|--|---|---|---|--------------------|---|---|---|--------------------|---|---|---|--------------------|---|---|---|--------------------|---|---|---|--------------------|---|---|---|--------------------|---|---|---|--------------------|---|---|---|
| 4 - Advanced Component Development and Prototypes | 0603305A - Army Missile Defense Systems Integration | | | | | | | | | | | | | | | | TR4 | | | | | | | | | | | | | | | |
| Event Name | FY 06 | | | | FY 07 | | | | FY 08 | | | | FY 09 | | | | FY 10 | | | | FY 11 | | | | FY 12 | | | | FY 13 | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Continue integration of Army missile defense capabilities & DOTMLPF solutions | [Red grid pattern] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Execute FY06 Congressional Adds | [Blue bar] | | | | [Red grid pattern] | | | |
| Execute FY07 Congressional Adds | [Red grid pattern] | | | | [Blue bar] | | | | [Red grid pattern] | | | |

Schedule Detail (R4a Exhibit)

February 2007

| | | | | | | | | |
|---|----------------|---|----------------|----------------|----------------|----------------|-----------------------|----------------|
| BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes | | PE NUMBER AND TITLE 0603305A - Army Missile Defense Systems Integration | | | | | PROJECT TR4 | |
| <u>Schedule Detail</u> | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> | <u>FY 2010</u> | <u>FY 2011</u> | <u>FY 2012</u> | <u>FY 2013</u> |
| Continue integration of Army missile defense capabilities & DOTMLPF solutions | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q |
| Execute FY06 Congressional Adds | 1Q - 4Q | | | | | | | |
| Execute FY07 Congressional Adds | | 1Q - 4Q | | | | | | |

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

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| | | | | | | | | | | |
|--|-------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------------------|------------|
| BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes | | PE NUMBER AND TITLE 0603305A - Army Missile Defense Systems Integration | | | | | | | PROJECT TR5 | |
| COST (In Thousands) | FY 2006 Actual | FY 2007 Estimate | FY 2008 Estimate | FY 2009 Estimate | FY 2010 Estimate | FY 2011 Estimate | FY 2012 Estimate | FY 2013 Estimate | Cost to Complete | Total Cost |
| TR5 MISSILE DEFENSE BATTLELAB | 11930 | 9430 | 12589 | 12665 | 12887 | 13954 | 16588 | 16980 | | 107023 |

A. Mission Description and Budget Item Justification: This project funds the delivery of innovations to the warfighter in the US Army Space and Missile Defense Command mission areas of Missile Defense, Space, Information Operations (IO), Global Strike (GS), Command, Control, Communications, Intelligence, Surveillance and Reconnaissance (C4ISR). The innovations are provided through prototyping, operational analysis and experimentation to support the future force. The project supports the Army Service Component Command (ASCC) responsibilities for integration of Army capabilities into U.S. Strategic Command.

| Accomplishments/Planned Program: | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> |
|---|----------------|----------------|----------------|----------------|
| Experiments/Advanced Prototype components into Command and Control (C2) Systems - Experiments assessed/exploited Doctrine, Organization, Training, Material, Leadership and Education, Personnel and Facilities (DOTMLPF) issues. Participated in major Army and Joint Experiments integrating space, missile defense, IO, GS and C4ISR organizational/operational concepts into the Army Campaign Plan (ACP). Assessed space, missile defense, IO, GS and C4ISR impacts on doctrine and materiel. Ten experiments were completed in FY06. These include Joint Expeditionary Force 2006, Urban Resolve 2015, Joint Forces Command Experiment 06, other micro experiments hosted by other Training and Doctrine Command (TRADOC) Battle Labs (focusing on NET Operations, Intelligence Surveillance and Reconnaissance (ISR), and Battlefield Surveillance Brigade. Eight experiments are scheduled with TRADOC in FY07: Future Combat System Brigade Combat Team Counterinsurgency; Digital Warfighter Experiment; Joint Forces Command Urban Resolve (three limited objective experiments); and Intelligence, Surveillance, Reconnaissance Experiment with Battle Command Battle Lab-Huachuca (BCBL-H) at Fort Huachuca. The Future Operation Capability (FOC) test bed has integrated commercial state-of-the-art technologies into C4ISR experiments, supported National Capital Region operational missions, integrated emerging commercial technologies into the Future Operation Capability (FOC), develop the Theater High Altitude Air Defense (THAAD) command post. Prototype derivatives of the FOC are supporting Operation Iraqi Freedom and various Homeland Defense missions. | 6888 | 5733 | 7549 | 7625 |
| Operational Analysis/Tools, Modeling and Simulation (M&S) - Studies and Analysis included operational assessments of concepts, doctrine, organizations, technologies and tactics. Also examined Future Combat system/Transformation issues for space and missile defense including new national policy for Space Control, Counter-SATCOM, and Operational Analysis of High Altitude Long Endurance capabilities at the Tactical Level, and Space Radar. Tools and M&S accomplishments included M&S for experimentation and operational assessments, and the maintenance of M&S tools. Evolving concepts will require analysis that addresses emerging needs in FY06-07. Space control will require analysis to support the military utility analysis and requirements definition in FY07. Additionally, M&S integration will be required to support the fielding of Army simulations and experiments for Information Operations and Global Strike. Plans include continued maintenance of M&S tools and support for experimentation and analysis. | 5042 | 3575 | 5040 | 5040 |
| Small Business Innovative Research/Small Business Technology Transfer Programs | | 122 | | |
| Total | 11930 | 9430 | 12589 | 12665 |

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2007

BUDGET ACTIVITY

4 - Advanced Component Development and Prototypes

PE NUMBER AND TITLE

0603305A - Army Missile Defense Systems Integration

PROJECT

TR5

B. Other Program Funding Summary Not applicable for this item.

C. Acquisition Strategy Not applicable for this item.

ARMY RDT&E COST ANALYSIS (R3)

February 2007

| BUDGET ACTIVITY | | | PE NUMBER AND TITLE | | | | | | | | | PROJECT | | |
|---|------------------------|---|---|--------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|------------------|------------|--------------------------|
| 4 - Advanced Component Development and Prototypes | | | 0603305A - Army Missile Defense Systems Integration | | | | | | | | | TR5 | | |
| I. Product Development | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY 2006 Cost | FY 2006 Award Date | FY 2007 Cost | FY 2007 Award Date | FY 2008 Cost | FY 2008 Award Date | FY 2009 Cost | FY 2009 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Subtotal: | | | | | | | | | | | | | | |
| II. Support Costs | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY 2006 Cost | FY 2006 Award Date | FY 2007 Cost | FY 2007 Award Date | FY 2008 Cost | FY 2008 Award Date | FY 2009 Cost | FY 2009 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Experiments & technology enhancements of prototypes/tools and analysis. | CPAFF/CPFF | Various Colorado Springs CO and Huntsville AL | 16668 | 5042 | 1-4Q | 3575 | 1-4Q | 5040 | 1-4Q | 5040 | 1-4Q | Cont. | Cont. | |
| Govt Support and Support Contracts | MIPR/Allot | Various Colorado Springs CO and Huntsville AL | 20328 | 6888 | 1-4Q | 5778 | 1-4Q | 7549 | 1-4Q | 7625 | 1-4Q | Cont. | Cont. | |
| SBIR/STTR | | | | | | 77 | | | | | | | | 77 |
| Subtotal: | | | 36996 | 11930 | | 9430 | | 12589 | | 12665 | | Cont. | Cont. | |
| III. Test And Evaluation | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY 2006 Cost | FY 2006 Award Date | FY 2007 Cost | FY 2007 Award Date | FY 2008 Cost | FY 2008 Award Date | FY 2009 Cost | FY 2009 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Subtotal: | | | | | | | | | | | | | | |
| IV. Management Services | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY 2006 Cost | FY 2006 Award Date | FY 2007 Cost | FY 2007 Award Date | FY 2008 Cost | FY 2008 Award Date | FY 2009 Cost | FY 2009 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Subtotal: | | | | | | | | | | | | | | |

ARMY RDT&E COST ANALYSIS (R3)

February 2007

BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

4 - Advanced Component Development and Prototypes

0603305A - Army Missile Defense Systems Integration

TR5

Project Total Cost:

36996

11930

9430

12589

12665

Cont.

Cont.

Schedule Profile (R4 Exhibit)

February 2007

BUDGET ACTIVITY: **4 - Advanced Component Development and Prototypes** PE NUMBER AND TITLE: **0603305A - Army Missile Defense Systems Integration** PROJECT: **TR5**

| Event Name | FY 06 | | | | FY 07 | | | | FY 08 | | | | FY 09 | | | | FY 10 | | | | FY 11 | | | | FY 12 | | | | FY 13 | | | |
|---|------------|---|---|---|-------|---|---|---|-------|---|---|---|-------|---|---|---|-------|---|---|---|-------|---|---|---|-------|---|---|---|-------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Experiments & technology enhancements of prototypes/tools and analysis. | [Redacted] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | [Redacted] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Schedule Detail (R4a Exhibit)

February 2007

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|--|-----------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|-----------------------|
| BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes | | PE NUMBER AND TITLE 0603305A - Army Missile Defense Systems Integration | | | | | PROJECT TR5 | |
| <u>Schedule Detail</u> | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> | <u>FY 2010</u> | <u>FY 2011</u> | <u>FY 2012</u> | <u>FY 2013</u> |
| Experiments & technology enhancements of prototypes/tools and analysis. | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q | 1Q - 4Q |