Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army

Date: March 2014

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

2040: Research, Development, Test & Evaluation, Army I BA 7: Operational

PE 0203802A I Other Missile Product Improvement Programs

Systems Development

| COST (\$ in Millions) | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | Cost To Complete | Total Cost |
|-----------------------|----------------|---------|---------|-----------------|-----------------------------|------------------|---------|---------|---------|---------|---------------------|---------------|
| Total Program Element | - | - | 62.067 | 49.848 | - | 49.848 | 35.951 | 7.592 | - | - | Continuing | Continuing |
| DZ9: ATACMS Mods | - | - | 62.067 | 49.848 | - | 49.848 | 35.951 | 7.592 | - | - | Continuing | Continuing |

[#] The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

Army Tactical Missile Systems (ATACMS) is the United States (U.S) Army's primary 24/7, all-weather, and surface-to-surface artillery precision missile used by current and future Combatant Commanders to shape the battlefield with long-range fires against hard and soft stationary targets in open, complex, and urban environments. This effort will not build any new missiles or add to the overall inventory. Block (Blk) 1 missiles currently have warheads (WHs) that are non-compliant with the 2008 Department of Defense (DoD) policy on cluster munitions (CM). The modification program will take expired Blk 1 assets which have reached the end of their service life and reset to the contracted 10 year service life. Under this modification effort, a policy compliant WH will replace the existing M74 bomblets and also replace electronics and propellants. The Stockpile Reliability Program (SRP) will supply additional data to support extending the service life. This effort effectively brings the expired inventory back into service, while meeting the DoD CM Policy, to engage imprecisely located/area targets up to 300 kilometers (km).

| B. Program Change Summary (\$ in Millions) | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------------------------------|---------|---------|---------------------|-------------|---------------|
| Previous President's Budget | - | 62.100 | 46.300 | - | 46.300 |
| Current President's Budget | - | 62.067 | 49.848 | - | 49.848 |
| Total Adjustments | - | -0.033 | 3.548 | - | 3.548 |
| Congressional General Reductions | - | - | | | |
| Congressional Directed Reductions | - | - | | | |
| Congressional Rescissions | - | - | | | |
| Congressional Adds | - | - | | | |
| Congressional Directed Transfers | - | - | | | |
| Reprogrammings | - | - | | | |
| SBIR/STTR Transfer | - | - | | | |
| Adjustments to Budget Years | - | -0.033 | 3.548 | - | 3.548 |

| Exhibit R-2A, RDT&E Project Ju | stification | : PB 2015 A | Army | | | | | | | Date: Marc | ch 2014 | |
|----------------------------------------|----------------|-------------|---------|-----------------|-----------------------------|-----------------------------------------|--------------|---------|---------|-----------------------|---------------------|---------------|
| Appropriation/Budget Activity 2040 / 7 | | | | | PE 020380 | am Elemen 02A / Other ent Program | Missile Prod | , | , | umber/Nan CMS Mods | ne) | |
| COST (\$ in Millions) | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | Cost To Complete | Total Cost |
| DZ9: ATACMS Mods | - | - | 62.067 | 49.848 | - | 49.848 | 35.951 | 7.592 | - | - | Continuing | Continuing |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

^{*} The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

Army Tactical Missile Systems (ATACMS) is the United States (U.S) Army's primary 24/7, all-weather, and surface-to-surface artillery precision missile used by current and future Combatant Commanders to shape the battlefield with long-range fires against hard and soft stationary targets in open, complex, and urban environments. This effort will not build any new missiles or add to the overall inventory. Block (Blk) 1 missiles currently have warheads (WHs) that are non-compliant with the 2008 Department of Defense (DoD) policy on cluster munitions (CM). The modification program will take expired Blk 1 assets which have reached the end of their service life and reset to the contracted 10 year service life. Under this modification effort, a policy compliant WH will replace the existing M74 bomblets and also replace electronics and propellants. The Stockpile Reliability Program (SRP) will supply additional data to support extending the service life. This effort effectively brings the expired inventory back into service, while meeting the DoD CM Policy, to engage imprecisely located/area targets up to 300 kilometers (km).

| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | FY 2013 | FY 2014 | FY 2015 |
|---------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|
| Title: Conduct Development Engineering, Design Component Testing, and Performance Analysis. | - | 62.067 | 49.848 |
| Articles | - | - | - |
| Description: Funding is provided for the following effort | | | |
| FY 2014 Plans: Conduct Development Engineering, Design Component Testing, and Performance Analysis. | | | |
| FY 2015 Plans: Conduct Development Engineering, Design Component Testing, Performance Analysis, and Begin Test Hardware Modification. | | | |
| Accomplishments/Planned Programs Subtotals | _ | 62.067 | 49.848 |

C. Other Program Funding Summary (\$ in Millions)

N/A

Army

Remarks

D. Acquisition Strategy

The ATACMS M57E1 program is a product improved version of the current ATACMS Blk 1 missile. M57E1 will be integrated and tested under a Firm Fixed Price (FFP) contract to Lockheed Martin Missile and Fire Control System (LMMFCS).

PE 0203802A: Other Missile Product Improvement Programs

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R-1 Line #171

| Exhibit R-2A, RDT&E Project Justification: PB 2015 A | Army | Date: March 2014 |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------|
| Appropriation/Budget Activity 2040 / 7 | R-1 Program Element (Number/Name) PE 0203802A I Other Missile Product Improvement Programs | Project (Number/Name) DZ9 / ATACMS Mods |
| E. Performance Metrics | | |
| N/A | | |
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PE 0203802A: Other Missile Product Improvement Programs Army

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army

R-1 Program Element (Number/Name)

Project (Number/Name)

Date: March 2014

Appropriation/Budget Activity 2040 / 7

PE 0203802A / Other Missile Product

DZ9 / ATACMS Mods

Improvement Programs

| Management Service | es (\$ in M | illions) | | FY 2 | 2013 | FY | 2014 | FY 2 Ba | 2015 ise | FY 2 | | FY 2015 Total | | | |
|----------------------------------|------------------------------|-----------------------------------|----------------|------|---------------|-------|---------------|------------|-------------|------|---------------|------------------|---------------------|---------------|--------------------------------|
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | | | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Government Program Management | TBD | PFRMS Project Office, : RSA | 0.000 | - | | 3.711 | Mar 2014 | 6.055 | Oct 2014 | - | | 6.055 | - | 9.766 | - |
| | | Subtotal | 0.000 | - | | 3.711 | | 6.055 | | - | | 6.055 | - | 9.766 | - |

Remarks

PFRMS-Precision Fires Rocket and Missile Systems; RSA-Redstone Arsenal; TBD-To Be Determined

| Product Developme | nt (\$ in M | illions) | | FY 2 | 2013 | FY 2 | 2014 | | 2015 ise | FY 2 | | FY 2015 Total | | | |
|------------------------------|------------------------------|-----------------------------------|----------------|------|---------------|--------|---------------|--------|---------------|------|---------------|------------------|---------|---------------|--------------------------------|
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To | Total Cost | Target Value of Contract |
| ATACMS Mods Contracts | TBD | LMMFCS : (Dallas, TX) | 0.000 | - | | 42.009 | Aug 2014 | 22.874 | Aug 2015 | - | | 22.874 | - | 64.883 | - |
| Other Government Agencies | TBD | AMCOM/AMRDEC, : RSA | 0.000 | - | | 0.999 | Aug 2014 | 1.454 | Aug 2015 | - | | 1.454 | - | 2.453 | - |
| | | Subtotal | 0.000 | - | | 43.008 | | 24.328 | | - | | 24.328 | - | 67.336 | - |

Remarks

ATACMS-Army Tactical Missile System; Mods-Modifications; LMMFCS-Lockheed Martin Missile and Fire Control; TX-Texas; TBD-To Be Determined; AMCOM-Army Materiel Command; AMRDEC-U.S. Army Research, Development and Engineering Command; RSA-Redstone Arsenal, Alabama

| Support (\$ in Millions | s) | | | FY 2 | 2013 | FY 2 | 2014 | | 2015 ase | FY 2 | 2015 CO | FY 2015 Total | | | |
|-------------------------|------------------------------|---------------------------------------|----------------|------|---------------|-------|---------------|-------|---------------|------|---------------|------------------|---------|---------------|--------------------------------|
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To | Total Cost | Target Value of Contract |
| Support Contract | TBD | Camber Research/ S3/TMI, : Alabama | 0.000 | - | | 2.547 | Mar 2014 | 2.344 | Dec 2014 | - | | 2.344 | - | 4.891 | - |
| | | Subtotal | 0.000 | - | | 2.547 | | 2.344 | | - | | 2.344 | - | 4.891 | - |

Remarks

S3-Systems Studies Simulation, Inc.; TMI-Tec Master, Inc.; TBD-To Be Determined

PE 0203802A: Other Missile Product Improvement Programs Army

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army

R-1 Program Element (Number/Name) Project

Appropriation/Budget Activity 2040 / 7

PE 0203802A / Other Missile Product

Project (Number/Name)
DZ9 / ATACMS Mods

Date: March 2014

Improve

Improvement Programs

| Test and Evaluation | (\$ in Milli | ons) | | FY 2 | 2013 | FY: | 2014 | FY 2 Ba | 2015 ise | FY 2 | | FY 2015 Total | | | |
|---------------------|------------------------------|-----------------------------------|----------------|------|---------------|--------|----------|---------------|-------------|---------------|------|---------------------|---------------|--------------------------------|---|
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | | | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract | |
| Test Support | TBD | WSMR, NM; : RTC, AL | 0.000 | - | | 12.801 | Mar 2014 | 17.121 | Jun 2015 | - | | 17.121 | - | 29.922 | - |
| | | Subtotal | 0.000 | - | | 12.801 | | 17.121 | | - | | 17.121 | - | 29.922 | - |

Remarks

WSMR, NM-White Sands Missile Range, New Mexico; RTC, AL-Redstone Test Center, Alabama

| | Prior Years | FY 2 | 2013 | FY 2 | 014 | FY 2 Ba | FY 2 | FY 2015 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---------------------|----------------|------|------|--------|-----|------------|------|----------------------|---------------------|---------------|--------------------------------|
| Project Cost Totals | 0.000 | - | | 62.067 | | 49.848 | - | 49.848 | - | 111.915 | - |

Remarks

PE 0203802A: Other Missile Product Improvement Programs Army

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R-1 Line #171

| xhibit R-4, RDT&E Schedule Profile: PB 2015 A | rmy | | | | | | | | | | | | | | | | | | | | | | | | D | ate | : M | arch | ı 20 | 114 | | |
|-----------------------------------------------|-----|------|------|---|---|---|-----|------|----|-----|----|----------------------|------|-----|-----|-------|-------------------|-----|---|---|----|-----|---|---|---|-----|-------------|------------|----------|-----|-----|---|
| Appropriation/Budget Activity 040 / 7 | | | | | | | | | PΕ | 020 | 38 | am I 02A ent F | I Ot | the | r M | lissi | | | | - | | | - | • | | | er/N Mod | lame ds |) | | | |
| | | FY 2 | 2013 | 3 | | F | Y 2 | 2014 | | | F | Y 20 | 15 | | | FY | ′ 20 [′] | 16 | | | FY | 201 | 7 | | F | Y 2 | 2018 | } | | FY | 201 | 9 |
| | 1 | 2 | 3 | 4 | 1 | 1 | 2 | 3 | 4 | 1 | : | 2 3 | 3 | 4 | 1 | 2 | 2 3 | 3 4 | 4 | 1 | 2 | 3 | 4 | 1 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Risk Reduction | | | | | · | | | | | | | | | | | | | , | | | | | , | | | | | | | | | |
| Conduct Arena Warhead Tests | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Procure Flight Termination Systems | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proximity Sensor Integration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Obsolescence | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Engineering Directorate Lab Stand Up | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Component Integration and Testing

Hardware Build Up

Deliveries
Ground Tests
Flight Tests

| Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army | | | Date: March 2014 |
|----------------------------------------------------|-----|-----|-------------------------|
| 2040 / 7 | , , | • ` | umber/Name) CMS Mods |

Schedule Details

| Events | St | Start | | End | |
|---------------------------------------------|---------|-------|---------|------|--|
| | Quarter | Year | Quarter | Year | |
| Risk Reduction | 2 | 2014 | 1 | 2016 | |
| Conduct Arena Warhead Tests | 4 | 2014 | 1 | 2015 | |
| Procure Flight Termination Systems | 3 | 2014 | 1 | 2016 | |
| Proximity Sensor Integration | 4 | 2014 | 1 | 2015 | |
| Obsolescence | 3 | 2014 | 1 | 2016 | |
| System Engineering Directorate Lab Stand Up | 3 | 2014 | 3 | 2015 | |
| Component Integration and Testing | 4 | 2014 | 2 | 2017 | |
| Hardware Build Up | 2 | 2016 | 2 | 2017 | |
| Deliveries | 2 | 2016 | 2 | 2017 | |
| Ground Tests | 1 | 2016 | 2 | 2016 | |
| Flight Tests | 3 | 2016 | 2 | 2017 | |