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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2014 Army **DATE:** April 2013

| APPROPRIATION/BUDGET ACTIVITY                                                                                                |                 |         |                      |              | R-1 ITEM NOMENCLATURE                                           |               |         |         |         |         |                  |            |
|------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|----------------------|--------------|-----------------------------------------------------------------|---------------|---------|---------|---------|---------|------------------|------------|
| 2040: <i>Research, Development, Test &amp; Evaluation, Army</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> |                 |         |                      |              | PE 0604742A: <i>CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT</i> |               |         |         |         |         |                  |            |
| COST (\$ in Millions)                                                                                                        | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>                                       | FY 2014 Total | FY 2015 | FY 2016 | FY 2017 | FY 2018 | Cost To Complete | Total Cost |
| Total Program Element                                                                                                        | -               | 27.530  | 28.937               | 17.013       | -                                                               | 17.013        | 19.203  | 16.894  | 15.243  | 15.062  | Continuing       | Continuing |
| 361: <i>Intelligence Simulation Systems (MIP)</i>                                                                            | -               | 8.079   | 8.171                | 1.578        | -                                                               | 1.578         | 1.450   | 1.805   | 1.826   | 1.796   | Continuing       | Continuing |
| 362: <i>Jnt Land Component Constructive Trng</i>                                                                             | -               | 19.451  | 20.766               | 15.435       | -                                                               | 15.435        | 17.753  | 15.089  | 13.417  | 13.266  | Continuing       | Continuing |

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

## Note

Funds were realigned to higher priority requirements.

## A. Mission Description and Budget Item Justification

This program element funds the development of constructive and wargame simulations used to realistically train commanders and their battle staffs on today's complex battlefield conditions. Project 361 funds the development of the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT) that provides Warfighting Commanders at all echelons the ability to train with Intelligence, Surveillance, and Reconnaissance (ISR) products based on realistic ISR assets, people (including the maneuver commander, G-2, G-3, collection manager, analyst/operator) and processes. IEWTPT provides embedded training capability for Future Army ISR systems. IEWTPT will interface/stimulate ISR systems including Tactical Unmanned Aerial Vehicle (TUAV), Joint Surveillance Target Attack Radar System-Common Ground Station (JSTARS-CGS), Tactical Exploitation System/Distributed Tactical Exploitation System (TES/DTES), Guardrail, Counter Intelligence/Human Intelligence Management Systems (CHIMS), Prophet and Distributed Common Ground Station-Army (DCGS-A). IEWTPT is the only Army Simulation System supporting ISR training from the Warfighter to the Military ISR Analyst/System Operator. Project 362, Joint Land Component Constructive Training Capability (JLCCTC), develops the Army's premier wargame simulation for training leaders and Battle Staffs at Brigade, Division, Corps, and echelons above Corps. JLCCTC will provide functionality not currently available (digital, stability, support and information operations), link to unit organizational Mission Command Systems, improve exercise generation and after-action reporting. WARSIM will interoperate with One Semi Automated Forces (OneSAF) and other simulations as an integral part of an Army simulation toolkit, so that a warfighter training exercise can represent in simulation all Army echelons and can also be represented in a Joint environment. JLCCTC pulls together current constructive simulation systems and future constructive simulations and uses a comprehensive strategy to ensure interoperability among all of those systems. This strategy will allow JLCCTC to meet current and future user needs. JLCCTC leverages the best pieces of current systems to meet current training needs and evolves to meet the training needs of the future.

FY 2014 funding continues product improvements with annual releases of the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT) and continues development of Joint Land Component Constructive Training Capability (JLCCTC).

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Army |         |                                                          |              | DATE: April 2013 |               |
| APPROPRIATION/BUDGET ACTIVITY                              |         | R-1 ITEM NOMENCLATURE                                    |              |                  |               |
| 2040: Research, Development, Test & Evaluation, Army       |         | PE 0604742A: CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT |              |                  |               |
| BA 5: System Development & Demonstration (SDD)             |         |                                                          |              |                  |               |
| B. Program Change Summary (\$ in Millions)                 | FY 2012 | FY 2013                                                  | FY 2014 Base | FY 2014 OCO      | FY 2014 Total |
| Previous President's Budget                                | 28.274  | 28.937                                                   | 23.106       | -                | 23.106        |
| Current President's Budget                                 | 27.530  | 28.937                                                   | 17.013       | -                | 17.013        |
| Total Adjustments                                          | -0.744  | 0.000                                                    | -6.093       | -                | -6.093        |
| • Congressional General Reductions                         | -0.013  | -                                                        |              |                  |               |
| • Congressional Directed Reductions                        | -       | -                                                        |              |                  |               |
| • Congressional Rescissions                                | -       | -                                                        |              |                  |               |
| • Congressional Adds                                       | -       | -                                                        |              |                  |               |
| • Congressional Directed Transfers                         | -       | -                                                        |              |                  |               |
| • Reprogrammings                                           | -       | -                                                        |              |                  |               |
| • SBIR/STTR Transfer                                       | -0.731  | -                                                        |              |                  |               |
| • Adjustments to Budget Years                              | -       | -                                                        | -6.093       | -                | -6.093        |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Army                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |         |                      |              |                                                                                      |               |         |         | DATE: April 2013                                      |         |                  |            |
| APPROPRIATION/BUDGET ACTIVITY<br>2040: Research, Development, Test & Evaluation, Army<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |         |                      |              | R-1 ITEM NOMENCLATURE<br>PE 0604742A: CONSTRUCTIVE<br>SIMULATION SYSTEMS DEVELOPMENT |               |         |         | PROJECT<br>361: Intelligence Simulation Systems (MIP) |         |                  |            |
| COST (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>                                                            | FY 2014 Total | FY 2015 | FY 2016 | FY 2017                                               | FY 2018 | Cost To Complete | Total Cost |
| 361: Intelligence Simulation Systems (MIP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -               | 8.079   | 8.171                | 1.578        | -                                                                                    | 1.578         | 1.450   | 1.805   | 1.826                                                 | 1.796   | Continuing       | Continuing |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |         |                      |              |                                                                                      |               |         |         |                                                       |         |                  |            |
| # FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |         |                      |              |                                                                                      |               |         |         |                                                       |         |                  |            |
| ## The FY 2014 OCO Request will be submitted at a later date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |         |                      |              |                                                                                      |               |         |         |                                                       |         |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |         |                      |              |                                                                                      |               |         |         |                                                       |         |                  |            |
| The Intelligence & Electronic Warfare Tactical Proficiency Trainer (IEWTPT), a Non-System Training Device (NTSD), supports training intelligence soldiers by stimulating Military Intelligence (MI) organic or surrogate equipment. It enables sustainment of critical individual and collective tasks/skills and is the core of the United States Army Intelligence Center of Excellence (USAI CoEs) MI holistic training strategy and includes both stand-alone and network enabled training capabilities. IEWTPT provides a realistic Intelligence target environment for Multi-Intelligence disciplines (Signals Intelligence (SIGINT), Imagery Intelligence (IMINT), Human Intelligence (HUMINT), Counterintelligence (CI), Geospatial Intelligence (GEOINT)) and must stimulate multiple systems such as: PROPHET, Distributed Common Ground Station-Army (DCGS-A), Joint Surveillance Target Attack Radar System-Common Ground Station (JSTARS-CGS), Tactical Unmanned Aerial Vehicle (TUAV), Tactical Exploitation System/Distributed Tactical Exploitation System (TES/DTES). IEWTPT provides static and dynamic training events (interactive environment for individual, collective, and Live, Virtual, and Constructive integrated mission rehearsals/exercises) in an integrated, playback, and stand alone mode. IEWTPT is composed of four components: Constructive Simulation, Technical Control Cell (TCC), Target Signature Arrays (TSA)/Simulation Interface, and the HUMINT Control Cell (HCC). The IEWTPT TCC provides critical Intel enhancements to a constructive simulation to stimulate go-to-war or surrogate ISR systems where system operators/analysts are able to exploit exercise intelligence data during training, just as they would in a "real world" operation. |                 |         |                      |              |                                                                                      |               |         |         |                                                       |         |                  |            |
| FY 2014 RDT&E funding supports the government program office manning for on-going program activities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |         |                      |              |                                                                                      |               |         |         |                                                       |         |                  |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |         |                      |              |                                                                                      |               |         |         | FY 2012                                               | FY 2013 | FY 2014          |            |
| Title: IEWTPT development, integration and support.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |         |                      |              |                                                                                      |               |         |         | 6.600                                                 | 7.034   | 0.000            |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |         |                      |              |                                                                                      |               |         |         | 0                                                     | 0       |                  |            |
| Description: Continue IEWTPT development, integration and support to the user community.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |         |                      |              |                                                                                      |               |         |         |                                                       |         |                  |            |
| FY 2012 Accomplishments:<br>Supported Lifestyle Pattern of Life modeling; Target Signature Array (TSA) development; evolved HUMINT, and supported Counter Intelligence capabilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |         |                      |              |                                                                                      |               |         |         |                                                       |         |                  |            |
| FY 2013 Plans:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |         |                      |              |                                                                                      |               |         |         |                                                       |         |                  |            |

PE 0604742A: *CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT*  
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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Army                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                      | DATE: April 2013                                      |            |         |
| APPROPRIATION/BUDGET ACTIVITY<br>2040: Research, Development, Test & Evaluation, Army<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | R-1 ITEM NOMENCLATURE<br>PE 0604742A: CONSTRUCTIVE<br>SIMULATION SYSTEMS DEVELOPMENT | PROJECT<br>361: Intelligence Simulation Systems (MIP) |            |         |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                      | FY 2012                                               | FY 2013    | FY 2014 |
| Supports simulation interface design for both HCC and TCC; evolves Village Pattern of Live Modeling (VPOLM) design and testing; develops TCC training vignettes and evolves TCC interfaces and SIGINT capabilities to incorporate new sensor technology and develops new target packages for the Full Spectrum Operations (FSO) environment; develop/design, test, and integrate Cyber Warfare Capabilities; continues to refine existing SIGINT (Near-Time Notional Gateway) TS/SCI training capabilities; develops and updates existing HUMINT scenarios and evolve Counter Intel capabilities for site exploitation. Evolves AVATAR technology to increase fidelity and human realism; completes web-based HCC integration to maximize training availability; continues constructive simulation, testing and interoperability. Start Live, Virtual, Constructive, Integrated Training Environment (LVC-ITE) task analysis. Evolve GEOINT stimulation tools with advancing capabilities; refine and advance Full Motion Video and Infra Red capabilities. Continues development of tool suite components (SIGACT Generator, SIGINT Exercise Control and Intel Low Overhead Driver (iLOD)); implements Better Buying Power initiatives by reductions in baseline hardware footprint.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                      |                                                       |            |         |
| Title: Government Program Management for the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT).<br><br>Articles:<br><br>Description: Government Program Management for the IEWTPT program.<br><br>FY 2012 Accomplishments:<br>Provided program oversight and lifecycle management planning, Combat Developer Support, Intelligence, Surveillance, Reconnaissance (ISR) interoperability/integration as part of Target Signature Array development and design to determine the best technical approach. Conducted task analysis and engineering development to integrate the HCC into the TCC. Developed and evolved HUMINT scenario and evolved foreign language integration. Supported development of constructive simulation integration.<br><br>FY 2013 Plans:<br>Provides program oversight and lifecycle management planning, and Combat Developer Support. It also provides management, configuration control and oversight of interfaces with complementary programs, coordination of integration activities with external programs and continuous participation in planning, integration, and testing of IEWTPT components in a federation (family of systems) environment. It also covers market surveys, technology insertion studies and reviews of deliverables needed to be ready for openly recompeting the program. It also includes the analysis and implementation of recurring Information Assurance (IA) directives.<br><br>FY 2014 Plans:<br>Provides for the continuation of program oversight, lifecycle management planning, and Combat Developer support . Enables for configuration control and oversight of interfaces with complementary programs, coordination of integration activities with external programs or continuous participation in planning, integration, and testing of IEWTPT components in a federation (family |                                                                                      | 1.479<br>0                                            | 1.137<br>0 | 1.578   |

PE 0604742A: *CONSTRUCTIVE SIMULATION SYSTEMS*  
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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Army                                                                                                                                  |                |                |                         |                                                                                                           |                          |                | <b>DATE:</b> April 2013                                             |                |                |                             |                   |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i>                                |                |                |                         | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604742A: <i>CONSTRUCTIVE</i><br><i>SIMULATION SYSTEMS DEVELOPMENT</i> |                          |                | <b>PROJECT</b><br>361: <i>Intelligence Simulation Systems (MIP)</i> |                |                |                             |                   |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>                                                                                                             |                |                |                         |                                                                                                           |                          |                | <b>FY 2012</b>                                                      | <b>FY 2013</b> | <b>FY 2014</b> |                             |                   |
| of systems) environment. Covers market surveys, technology insertion studies and reviews of deliverables needed to be ready for openly recompeting the program.                                     |                |                |                         |                                                                                                           |                          |                |                                                                     |                |                |                             |                   |
| <b>Accomplishments/Planned Programs Subtotals</b>                                                                                                                                                   |                |                |                         |                                                                                                           |                          |                | 8.079                                                               | 8.171          | 1.578          |                             |                   |
| <b>C. Other Program Funding Summary (\$ in Millions)</b>                                                                                                                                            |                |                |                         |                                                                                                           |                          |                |                                                                     |                |                |                             |                   |
| <b>Line Item</b>                                                                                                                                                                                    | <b>FY 2012</b> | <b>FY 2013</b> | <b>FY 2014<br/>Base</b> | <b>FY 2014<br/>OCO</b>                                                                                    | <b>FY 2014<br/>Total</b> | <b>FY 2015</b> | <b>FY 2016</b>                                                      | <b>FY 2017</b> | <b>FY 2018</b> | <b>Cost To<br/>Complete</b> | <b>Total Cost</b> |
| • Appropriation NA0102:<br><i>Appropriation NA0102; Training<br/>Devices, Nonsystem, Intelligence</i>                                                                                               | 3.739          |                |                         |                                                                                                           |                          | 2.279          | 1.472                                                               |                |                | Continuing                  | Continuing        |
| • TBWG, OMA 121: <i>TBWG, OMA<br/>121</i>                                                                                                                                                           |                | 0.238          |                         |                                                                                                           |                          | 0.275          | 0.330                                                               |                |                | Continuing                  | Continuing        |
| <b>Remarks</b>                                                                                                                                                                                      |                |                |                         |                                                                                                           |                          |                |                                                                     |                |                |                             |                   |
| <b>D. Acquisition Strategy</b><br>Sole Source (General Dynamics C4 Systems).                                                                                                                        |                |                |                         |                                                                                                           |                          |                |                                                                     |                |                |                             |                   |
| <b>E. Performance Metrics</b><br>Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010. |                |                |                         |                                                                                                           |                          |                |                                                                     |                |                |                             |                   |

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| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Army</b>                                                                                                    |                                   |                                           |                        |                |                   |                                                                                                 |                   |                     |                   |                    |                   | <b>DATE:</b> April 2013                                             |                         |                   |                                 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> |                                   |                                           |                        |                |                   | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604742A: <i>CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT</i> |                   |                     |                   |                    |                   | <b>PROJECT</b><br>361: <i>Intelligence Simulation Systems (MIP)</i> |                         |                   |                                 |
| <b>Management Services (\$ in Millions)</b>                                                                                                                          |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                                                                  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>                                                |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                                            | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                     | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                         | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Government Program Management                                                                                                                                        | Various                           | PEO STRI:Orlando, FL                      | 4.772                  | 1.479          | Dec 2011          | 1.137                                                                                           | Dec 2012          | 1.578               | Oct 2013          | -                  |                   | 1.578                                                               | Continuing              | Continuing        | Continuing                      |
| <b>Subtotal</b>                                                                                                                                                      |                                   |                                           | 4.772                  | 1.479          |                   | 1.137                                                                                           |                   | 1.578               |                   | 0.000              |                   | 1.578                                                               |                         |                   |                                 |
| <b>Product Development (\$ in Millions)</b>                                                                                                                          |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                                                                  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>                                                |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                                            | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                     | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                         | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| HCC Technology                                                                                                                                                       | SS/CPFF                           | General Dynamics C4 Systems:Orlando, FL   | 3.427                  | 1.750          | Dec 2011          | 1.530                                                                                           | Dec 2012          | -                   |                   | -                  |                   | -                                                                   | Continuing              | Continuing        | Continuing                      |
| Eng & Manufacturing Dev.                                                                                                                                             | SS/CPFF                           | General Dynamics C4 Systems:Orlando, FL   | 41.878                 | 4.850          | Dec 2011          | 5.504                                                                                           | Dec 2012          | -                   |                   | -                  |                   | -                                                                   | Continuing              | Continuing        | Continuing                      |
| <b>Subtotal</b>                                                                                                                                                      |                                   |                                           | 45.305                 | 6.600          |                   | 7.034                                                                                           |                   | 0.000               |                   | 0.000              |                   | 0.000                                                               |                         |                   |                                 |
| <b>Support (\$ in Millions)</b>                                                                                                                                      |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                                                                  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>                                                |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                                            | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                     | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                         | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Engineering & Technical Support                                                                                                                                      | SS/CPFF                           | General Dynamics C4 Systems:Orlando, FL   | 2.743                  | -              |                   | -                                                                                               |                   | -                   |                   | -                  |                   | -                                                                   | 0.000                   | 2.743             | 2.743                           |
| <b>Subtotal</b>                                                                                                                                                      |                                   |                                           | 2.743                  | 0.000          |                   | 0.000                                                                                           |                   | 0.000               |                   | 0.000              |                   | 0.000                                                               | 0.000                   | 2.743             | 2.743                           |
| <b>Test and Evaluation (\$ in Millions)</b>                                                                                                                          |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                                                                  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>                                                |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                                            | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                     | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                         | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| TEMP Support                                                                                                                                                         | Various                           | Multiple:Orlando, FL                      | 0.319                  | -              |                   | -                                                                                               |                   | -                   |                   | -                  |                   | -                                                                   | 0.000                   | 0.319             | 0.319                           |
| Test Engineering Support                                                                                                                                             | Various                           | Multiple:Orlando, FL                      | 1.313                  | -              |                   | -                                                                                               |                   | -                   |                   | -                  |                   | -                                                                   | 0.000                   | 1.313             | 1.313                           |

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| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 Army                                                                                                    |  |  |  |  |  |                                                                                                 |  |  |  |                                                                     |  | <b>DATE:</b> April 2013 |  |  |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> |  |  |  |  |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604742A: <i>CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT</i> |  |  |  | <b>PROJECT</b><br>361: <i>Intelligence Simulation Systems (MIP)</i> |  |                         |  |  |

  

| Test and Evaluation (\$ in Millions) |                        |                                |                 | FY 2012 |            | FY 2013 |            | FY 2014 Base |            | FY 2014 OCO |            | FY 2014 Total |                  |            |                          |
|--------------------------------------|------------------------|--------------------------------|-----------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item                   | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          | Cost To Complete | Total Cost | Target Value of Contract |
| <b>Subtotal</b>                      |                        |                                | 1.632           | 0.000   |            | 0.000   |            | 0.000        |            | 0.000       |            | 0.000         | 0.000            | 1.632      | 1.632                    |

  

|                            | All Prior Years | FY 2012 | FY 2013 | FY 2014 Base | FY 2014 OCO | FY 2014 Total | Cost To Complete | Total Cost | Target Value of Contract |
|----------------------------|-----------------|---------|---------|--------------|-------------|---------------|------------------|------------|--------------------------|
| <b>Project Cost Totals</b> | 54.452          | 8.079   | 8.171   | 1.578        | 0.000       | 1.578         |                  |            |                          |

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|                                                                                                                                                                      |  |  |                                                                                                           |  |  |
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| <b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2014 Army                                                                                                         |  |  | <b>DATE:</b> April 2013                                                                                   |  |  |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> |  |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604742A: <i>CONSTRUCTIVE</i><br><i>SIMULATION SYSTEMS DEVELOPMENT</i> |  |  |
|                                                                                                                                                                      |  |  | <b>PROJECT</b><br>361: <i>Intelligence Simulation Systems (MIP)</i>                                       |  |  |

|                               | FY 2012 |   |   |   | FY 2013 |   |   |   | FY 2014 |   |   |   | FY 2015 |   |   |   | FY 2016 |   |   |   | FY 2017 |   |   |   | FY 2018 |   |   |   |
|-------------------------------|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
|                               | 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 |
| Version 5.0 Security Accred.  |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 5.0 Release           |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 6.0 Security Accred.  |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 6.0 Release           |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 7.0 Security Accred.  |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 7.0 Release           |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 8.0 Security Accred.  |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 8.0 Release           |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 9.0 Security Accred.  |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 9.0 Release           |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 10.0 Security Accred. |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 10.0 Release          |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 11.0 Security Accred. |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| Version 11.0 Release          |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |

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| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Army                                                                                                        |                                                                                                           |                                                                     | <b>DATE:</b> April 2013 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604742A: <i>CONSTRUCTIVE</i><br><i>SIMULATION SYSTEMS DEVELOPMENT</i> | <b>PROJECT</b><br>361: <i>Intelligence Simulation Systems (MIP)</i> |                         |

Schedule Details

| Events                        | Start   |      | End     |      |
|-------------------------------|---------|------|---------|------|
|                               | Quarter | Year | Quarter | Year |
| Version 5.0 Security Accred.  | 3       | 2012 | 3       | 2012 |
| Version 5.0 Release           | 4       | 2012 | 4       | 2012 |
| Version 6.0 Security Accred.  | 3       | 2013 | 3       | 2013 |
| Version 6.0 Release           | 4       | 2013 | 4       | 2013 |
| Version 7.0 Security Accred.  | 3       | 2014 | 3       | 2014 |
| Version 7.0 Release           | 4       | 2014 | 4       | 2014 |
| Version 8.0 Security Accred.  | 3       | 2015 | 3       | 2015 |
| Version 8.0 Release           | 4       | 2015 | 4       | 2015 |
| Version 9.0 Security Accred.  | 3       | 2016 | 3       | 2016 |
| Version 9.0 Release           | 4       | 2016 | 4       | 2016 |
| Version 10.0 Security Accred. | 3       | 2017 | 3       | 2017 |
| Version 10.0 Release          | 4       | 2017 | 4       | 2017 |
| Version 11.0 Security Accred. | 3       | 2018 | 3       | 2018 |
| Version 11.0 Release          | 4       | 2018 | 4       | 2018 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Army                                                                                 |                 |         |                      |              |                                                                                      |               |         |         |                                                      | DATE: April 2013 |                  |            |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|----------------------|--------------|--------------------------------------------------------------------------------------|---------------|---------|---------|------------------------------------------------------|------------------|------------------|------------|
| APPROPRIATION/BUDGET ACTIVITY<br>2040: Research, Development, Test & Evaluation, Army<br>BA 5: System Development & Demonstration (SDD) |                 |         |                      |              | R-1 ITEM NOMENCLATURE<br>PE 0604742A: CONSTRUCTIVE<br>SIMULATION SYSTEMS DEVELOPMENT |               |         |         | PROJECT<br>362: Jnt Land Component Constructive Trng |                  |                  |            |
| COST (\$ in Millions)                                                                                                                   | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>                                                            | FY 2014 Total | FY 2015 | FY 2016 | FY 2017                                              | FY 2018          | Cost To Complete | Total Cost |
| 362: Jnt Land Component Constructive Trng                                                                                               | -               | 19.451  | 20.766               | 15.435       | -                                                                                    | 15.435        | 17.753  | 15.089  | 13.417                                               | 13.266           | Continuing       | Continuing |
| Quantity of RDT&E Articles                                                                                                              |                 |         |                      |              |                                                                                      |               |         |         |                                                      |                  |                  |            |

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

## A. Mission Description and Budget Item Justification

This Project funds the development of the Joint Land Component Constructive Training Capability (JLCCTC), the Army's premier wargaming simulations for training leaders and Battle Staffs from Battalion through echelons above Corps. JLCCTC pulls together current constructive simulation systems and future constructive simulations and uses a comprehensive strategy to ensure interoperability among all of those systems. JLCCTC will provide functionality not currently available (digital operations, stability and support operations, and information operations), link to organic Mission Command equipment, and improve exercise generation and after-action reporting.

FY 2014 funding supports the development, test and integration, verification, and validation of Multi-Resolution Federation-Warfighter's Simulation (MRF-W) and migration to a Unified Constructive Architecture (UCA).

## B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

|                                                                                                                   | <b>FY 2012</b> | <b>FY 2013</b> | <b>FY 2014</b> |
|-------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|
| <b>Title:</b> Engineering and Manufacturing Development (EMD) phase contract activity for JLCCTC Software Models. | 1.585          | 1.889          | 1.809          |
| <b>Articles:</b>                                                                                                  | 0              | 0              |                |
| <b>Description:</b> Continue EMD phase contract activities for JLCCTC Software Models.                            |                |                |                |
| <b>FY 2012 Accomplishments:</b><br>Verified and validated JLCCTC software models.                                 |                |                |                |
| <b>FY 2013 Plans:</b><br>Verify and validate JLCCTC software models                                               |                |                |                |
| <b>FY 2014 Plans:</b><br>Verify and validate JLCCTC software models                                               |                |                |                |
| <b>Title:</b> Engineering and Manufacturing Development (EMD) phase contract for the Integration of JLCCTC.       | 11.620         | 11.383         | 8.023          |
| <b>Articles:</b>                                                                                                  | 0              | 0              |                |
| <b>Description:</b> Continue EMD phase contract activities for the Integration of JLCCTC.                         |                |                |                |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Army                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                      | DATE: April 2013                                     |            |         |
| APPROPRIATION/BUDGET ACTIVITY<br>2040: Research, Development, Test & Evaluation, Army<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                    | R-1 ITEM NOMENCLATURE<br>PE 0604742A: CONSTRUCTIVE<br>SIMULATION SYSTEMS DEVELOPMENT | PROJECT<br>362: Jnt Land Component Constructive Trng |            |         |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                      | FY 2012                                              | FY 2013    | FY 2014 |
| FY 2012 Accomplishments:<br>Continued integration of JLCCTC components for interoperability.<br><br>FY 2013 Plans:<br>Continue integration of JLCCTC components for interoperability (UCA).<br><br>FY 2014 Plans:<br>Continue integration of JLCCTC components for interoperability (UCA).                                                                                                                                                                                                                                                                                 |                                                                                      |                                                      |            |         |
| Title: Engineering and Manufacturing Development (EMD) phase contract activity for User Interface Enhancements.<br><br>Articles:<br><br>Description: Continue EMD phase contract activities for User Interface Enhancements.<br><br>FY 2012 Accomplishments:<br>Developed and integrated user interface enhancements for Army training applications.<br><br>FY 2013 Plans:<br>Develop and integrate user interface enhancements for Army training applications.<br><br>FY 2014 Plans:<br>Develop and integrate user interface enhancements for Army training applications. |                                                                                      | 3.999<br>0                                           | 4.690<br>0 | 4.028   |
| Title: Government System Test and Evaluation.<br><br>Articles:<br><br>Description: Government System Test and Evaluation for the Joint Land Component Constructive Training Capability (JLCCTC).<br><br>FY 2012 Accomplishments:<br>Evaluated system performance and conducted system test events.<br><br>FY 2013 Plans:<br>Develop and evaluate system performance and conduct system test events.<br><br>FY 2014 Plans:<br>Develop and evaluate system performance and conduct system test events.                                                                       |                                                                                      | 2.247<br>0                                           | 2.804<br>0 | 1.575   |
| Accomplishments/Planned Programs Subtotals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                      | 19.451                                               | 20.766     | 15.435  |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Army                                                                                                   |                                       |                |                |                               |                                                                                                 |                                |                |                                                                    |                | <b>DATE:</b> April 2013 |                                   |                   |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> |                                       |                |                |                               | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604742A: <i>CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT</i> |                                |                | <b>PROJECT</b><br>362: <i>Jnt Land Component Constructive Trng</i> |                |                         |                                   |                   |
| <b>C. Other Program Funding Summary (\$ in Millions)</b>                                                                                                             |                                       |                |                |                               |                                                                                                 |                                |                |                                                                    |                |                         |                                   |                   |
|                                                                                                                                                                      | <u>Line Item</u>                      | <u>FY 2012</u> | <u>FY 2013</u> | <u>FY 2014</u><br><u>Base</u> | <u>FY 2014</u><br><u>OCO</u>                                                                    | <u>FY 2014</u><br><u>Total</u> | <u>FY 2015</u> | <u>FY 2016</u>                                                     | <u>FY 2017</u> | <u>FY 2018</u>          | <u>Cost To</u><br><u>Complete</u> | <u>Total Cost</u> |
|                                                                                                                                                                      | • NSTD Command & Control: OPA, NA0103 | 17.906         | 11.788         | 27.102                        |                                                                                                 | 27.102                         | 26.594         | 23.101                                                             | 22.341         | 28.504                  | Continuing                        | Continuing        |
|                                                                                                                                                                      | • TBWG: OMA, 121                      | 1.183          | 4.921          | 7.237                         |                                                                                                 | 7.237                          | 7.884          | 7.827                                                              | 8.297          | 8.551                   | Continuing                        | Continuing        |
| <b>Remarks</b>                                                                                                                                                       |                                       |                |                |                               |                                                                                                 |                                |                |                                                                    |                |                         |                                   |                   |
| <b>D. Acquisition Strategy</b>                                                                                                                                       |                                       |                |                |                               |                                                                                                 |                                |                |                                                                    |                |                         |                                   |                   |
| Current contracts supporting JLCCTC are extended until the new JLCCTC contract is awarded. Expected award date is scheduled for 2Q FY13.                             |                                       |                |                |                               |                                                                                                 |                                |                |                                                                    |                |                         |                                   |                   |
| <b>E. Performance Metrics</b>                                                                                                                                        |                                       |                |                |                               |                                                                                                 |                                |                |                                                                    |                |                         |                                   |                   |
| Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.   |                                       |                |                |                               |                                                                                                 |                                |                |                                                                    |                |                         |                                   |                   |

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|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------|------------------------|----------------|-------------------|---------------------------------------------------------------------------------------------|-------------------|---------------------|-------------------|--------------------|-------------------|-------------------------------------------------------------|-------------------------|-------------------|---------------------------------|
| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Army</b>                                                                              |                                   |                                           |                        |                |                   |                                                                                             |                   |                     |                   |                    |                   | <b>DATE:</b> April 2013                                     |                         |                   |                                 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>2040: Research, Development, Test & Evaluation, Army<br>BA 5: System Development & Demonstration (SDD) |                                   |                                           |                        |                |                   | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604742A: CONSTRUCTIVE<br>SIMULATION SYSTEMS DEVELOPMENT |                   |                     |                   |                    |                   | <b>PROJECT</b><br>362: Jnt Land Component Constructive Trng |                         |                   |                                 |
| <b>Management Services (\$ in Millions)</b>                                                                                                    |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                                                              |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>                                        |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                      | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                 | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                 | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Program Management                                                                                                                             | Various                           | PEO STRI:Orlando, FL                      | 37.059                 | 3.616          | Dec 2011          | 5.530                                                                                       | Dec 2012          | 5.362               | Dec 2013          | -                  |                   | 5.362                                                       | Continuing              | Continuing        | Continuing                      |
| <b>Subtotal</b>                                                                                                                                |                                   |                                           | 37.059                 | 3.616          |                   | 5.530                                                                                       |                   | 5.362               |                   | 0.000              |                   | 5.362                                                       |                         |                   |                                 |
| <b>Product Development (\$ in Millions)</b>                                                                                                    |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                                                              |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>                                        |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                      | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                 | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                 | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Integration of JLCCTC                                                                                                                          | SS/FFP                            | Various:Various                           | 48.606                 | 5.410          | Dec 2011          | 1.416                                                                                       | Dec 2012          | 1.419               | Dec 2013          | -                  |                   | 1.419                                                       | Continuing              | Continuing        | Continuing                      |
| MRF-W Development of Army Training System                                                                                                      | C/CPFF                            | TBS:TBS                                   | 0.000                  | -              |                   | 8.366                                                                                       | Dec 2012          | 4.074               | Dec 2013          | -                  |                   | 4.074                                                       | Continuing              | Continuing        | Continuing                      |
| Development of logistics model                                                                                                                 | Various                           | Tapestry:San Diego, CA                    | 19.016                 | 1.599          | Dec 2011          | -                                                                                           |                   | -                   |                   | -                  |                   | -                                                           | 0.000                   | 20.615            | 20.615                          |
| WARSIM Development of Army Training System                                                                                                     | SS/CPFF                           | Lockheed Martin Info Systems:Orlando, FL  | 114.305                | 7.756          | Dec 2011          | -                                                                                           |                   | -                   |                   | -                  |                   | -                                                           | 0.000                   | 122.061           | 122.570                         |
| <b>Subtotal</b>                                                                                                                                |                                   |                                           | 181.927                | 14.765         |                   | 9.782                                                                                       |                   | 5.493               |                   | 0.000              |                   | 5.493                                                       |                         |                   |                                 |
| <b>Support (\$ in Millions)</b>                                                                                                                |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                                                              |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>                                        |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                      | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                 | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                 | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Engineering & Tech Spt                                                                                                                         | Various                           | Various:Various                           | 8.000                  | 0.570          | Dec 2011          | 0.207                                                                                       | Dec 2012          | 1.335               | Dec 2013          | -                  |                   | 1.335                                                       | Continuing              | Continuing        | Continuing                      |
| <b>Subtotal</b>                                                                                                                                |                                   |                                           | 8.000                  | 0.570          |                   | 0.207                                                                                       |                   | 1.335               |                   | 0.000              |                   | 1.335                                                       |                         |                   |                                 |
| <b>Test and Evaluation (\$ in Millions)</b>                                                                                                    |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                                                              |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>                                        |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                      | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                 | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                 | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| System Evaluation and Test                                                                                                                     | Various                           | Various:Various                           | 13.033                 | 0.092          | Dec 2011          | 3.278                                                                                       | Dec 2012          | 3.245               | Dec 2013          | -                  |                   | 3.245                                                       | Continuing              | Continuing        | Continuing                      |

PE 0604742A: CONSTRUCTIVE SIMULATION SYSTEMS  
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------|------------------------|----------------|-------------------|-------------------------------------------------------------------------------------------------|-------------------|---------------------|-------------------|--------------------|-------------------|--------------------------------------------------------------------|-------------------------|-------------------|---------------------------------|
| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Army</b>                                                                                                    |                                   |                                           |                        |                |                   |                                                                                                 |                   |                     |                   |                    |                   | <b>DATE:</b> April 2013                                            |                         |                   |                                 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> |                                   |                                           |                        |                |                   | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604742A: <i>CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT</i> |                   |                     |                   |                    |                   | <b>PROJECT</b><br>362: <i>Jnt Land Component Constructive Trng</i> |                         |                   |                                 |
| <b>Test and Evaluation (\$ in Millions)</b>                                                                                                                          |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>                                                                                  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>                                               |                         |                   |                                 |
| <b>Cost Category Item</b>                                                                                                                                            | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                     | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                        | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Verification, Validation and Accreditation                                                                                                                           | Various                           | Various:Various                           | 10.867                 | 0.408          | Dec 2011          | 1.969                                                                                           | Dec 2012          | -                   |                   | -                  |                   | -                                                                  | Continuing              | Continuing        | Continuing                      |
| <b>Subtotal</b>                                                                                                                                                      |                                   |                                           | 23.900                 | 0.500          |                   | 5.247                                                                                           |                   | 3.245               |                   | 0.000              |                   | 3.245                                                              |                         |                   |                                 |
|                                                                                                                                                                      |                                   |                                           | <b>All Prior Years</b> | <b>FY 2012</b> |                   | <b>FY 2013</b>                                                                                  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b>                                               | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| <b>Project Cost Totals</b>                                                                                                                                           |                                   |                                           | 250.886                | 19.451         |                   | 20.766                                                                                          |                   | 15.435              |                   | 0.000              |                   | 15.435                                                             |                         |                   |                                 |
| <b>Remarks</b>                                                                                                                                                       |                                   |                                           |                        |                |                   |                                                                                                 |                   |                     |                   |                    |                   |                                                                    |                         |                   |                                 |

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|------------------------------------------------------|--|--|--|--|--|--|--|--------------------------------|--|--|--|------------------|--|-------------------------------------------|--|--|--|
| Exhibit R-4, RDT&E Schedule Profile: PB 2014 Army    |  |  |  |  |  |  |  |                                |  |  |  | DATE: April 2013 |  |                                           |  |  |  |
| APPROPRIATION/BUDGET ACTIVITY                        |  |  |  |  |  |  |  | R-1 ITEM NOMENCLATURE          |  |  |  |                  |  | PROJECT                                   |  |  |  |
| 2040: Research, Development, Test & Evaluation, Army |  |  |  |  |  |  |  | PE 0604742A: CONSTRUCTIVE      |  |  |  |                  |  | 362: Jnt Land Component Constructive Trng |  |  |  |
| BA 5: System Development & Demonstration (SDD)       |  |  |  |  |  |  |  | SIMULATION SYSTEMS DEVELOPMENT |  |  |  |                  |  |                                           |  |  |  |

|             | FY 2012 |   |   |   | FY 2013 |   |   |   | FY 2014 |   |   |   | FY 2015 |   |   |   | FY 2016 |   |   |   | FY 2017 |   |   |   | FY 2018 |   |   |   |
|-------------|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
|             | 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 |
| JLCCTC V6.1 |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| JLCCTC V6.2 |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| JLCCTC V7   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
| JLCCTC V8   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Army                                                                                                        |                                                                                                           |                                                                    | <b>DATE:</b> April 2013 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>2040: <i>Research, Development, Test &amp; Evaluation, Army</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604742A: <i>CONSTRUCTIVE</i><br><i>SIMULATION SYSTEMS DEVELOPMENT</i> | <b>PROJECT</b><br>362: <i>Jnt Land Component Constructive Trng</i> |                         |

Schedule Details

| Events      | Start   |      | End     |      |
|-------------|---------|------|---------|------|
|             | Quarter | Year | Quarter | Year |
| JLCCTC V6.1 | 2       | 2012 | 2       | 2012 |
| JLCCTC V6.2 | 3       | 2013 | 3       | 2013 |
| JLCCTC V7   | 1       | 2015 | 1       | 2015 |
| JLCCTC V8   | 3       | 2016 | 3       | 2016 |