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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Army **Date:** February 2016

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	-	4.394	23.364	17.887	-	17.887	18.505	16.731	13.491	12.192	Continuing	Continuing
361: <i>Intelligence Simulation Systems</i>	-	0.519	5.513	5.851	-	5.851	6.206	5.683	3.249	2.647	Continuing	Continuing
362: <i>Jnt Land Component Constructive Trng</i>	-	3.875	17.851	12.036	-	12.036	12.299	11.048	10.242	9.545	Continuing	Continuing

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 a realistic Intelligence target environment for Multi-Intelligence disciplines. Signals Intelligence (SIGINT), Imagery Intelligence (IMINT), Human Intelligence (HUMINT), Counterintelligence (CI) and 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 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) supports Army Title X training worldwide for Army Commanders and their staff at Mission Training Complexes (MTC), Training and Doctrine Command (TRADOC) facilities, and other customer locations. JLCCTC trains Commanders and their staff in Decisive Actions to include offensive, defensive, stability, and civil support operations. JLCCTC is a software modeling and simulation capability that contributes to Army Training Mission Area by providing appropriate levels of model and simulation resolution and fidelity to support unit collective and combined arms training. The JLCCTC provides accurate representations of tactically and operationally relevant land warfare operations executed in a contemporary Joint operating environment/context in support of Army Training and Readiness.

FY 2017 funding continues product improvements with annual releases of the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT) and continues development, integration and test, verification and validation activities of the Joint Land Component Constructive Training Capability (JLCCTC).

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B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	4.394	23.364	15.043	-	15.043
Current President's Budget	4.394	23.364	17.887	-	17.887
Total Adjustments	0.000	0.000	2.844	-	2.844
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	2.844	-	2.844

Change Summary Explanation

FY 2017 budget adjustment received to achieve requirements.

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Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>				Project (Number/Name) 361 / <i>Intelligence Simulation Systems</i>			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
361: <i>Intelligence Simulation Systems</i>	-	0.519	5.513	5.851	-	5.851	6.206	5.683	3.249	2.647	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Intelligence & Electronic Warfare Tactical Proficiency Trainer (IEWTPT), a Non-System Training Device (NSTD), 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 (USAICoEs) and MI holistic training strategy. This 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) and Geospatial Intelligence (GEOINT) and must stimulate multiple systems such as: Prophet, Distributed Common Ground System-Army (DCGS-A), Tactical Ground Station (TGS), 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 Intelligence, Surveillance and Reconnaissance (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 2017 funding supports U.S. Army Readiness with the development of interface capabilities for the Intelligence, Surveillance, Reconnaissance (ISR) platform programs/systems of records, and funds the development of web-based capabilities and task analysis for "Cloud" training requirements for both the Human Control Cell (HCC) and Technical Control Cell (TCC).

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2015	FY 2016	FY 2017
Title: IEWTPT development, integration and support.	-	4.684	5.022
Description: Continue IEWTPT development, integration and support to the user community.			
FY 2016 Plans:			
Will support V6.0 release for the development of detailed simulation interface capabilities for Intelligence, Surveillance, Reconnaissance (ISR) platform programs/systems in the PEO Intelligence Electronic Warfare & Sensors portfolio to support homestation intelligence training. The main effort will be to develop capabilities in IEWTPT that support the training requirements for the DCGS-A program Processing, Exploitation and Dissemination (PED) mission. Will develop HUMINT-Counter-intelligence and Human Intelligence Automated Reporting and Collection Systems (CHARCS) and Machine Foreign Language Translation,			

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Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>	Project (Number/Name) 361 / <i>Intelligence Simulation Systems</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2015	FY 2016	FY 2017
<p>gesture recognition, retinal projection, and machine learning for integration into simulation /user environment. Will finalize 12B receiver PM Prophet SIGINT collection training capabilities for testing, certification and integration into software baseline. Will develop and integrate Aerial ISR training capabilities into program baseline for the Enhanced Medium Altitude Reconnaissance Surveillance System (EMARSS). Will develop initial web-based delivery capability for the Human Control Cell (HCC) and tasks analysis for cloud capabilities to support Technical Control Cell (TCC) distributed training requirement.</p> <p>FY 2017 Plans: Will support V7.0 release for the development of detailed simulation interface capabilities for Intelligence, Surveillance, Reconnaissance (ISR) platform programs/systems in the PEO Intelligence Electronic Warfare & Sensors portfolio to support homestation intelligence training. The main effort will be to expand all source intelligence development in IEWTPT that support the training requirements for the DCGS-A program and their Processing, Exploitation and Dissemination (PED) mission. Expand HUMINT web-based implementation and Counter-intelligence and Human Intelligence Automated Reporting and Collection Systems (CHARCS) and Machine Foreign Language Translation, biometrics related intelligence for integration into the simulation /user environment. Initiate new PM Prophet 12C receiver SIGINT collection training capabilities for testing, certification and integration into software baseline. Develop and integrate new Aerial ISR communications intelligence sensor emulation capabilities into program baseline for the Enhanced Medium Altitude Reconnaissance Surveillance System (EMARSS). Will complete web-based delivery capability for the Human Control Cell (HCC) and begin prototype development for cloud capabilities to support Technical Control Cell (TCC) distributed training requirements. Will execute technology development and integration supporting product deliverables needed to meet Ft. Huachuca and Army G2 training strategy requirements. Develop linkages to migrate to designated Core Data Center/Common Operating Environment/Computing Environments.</p>				
<p>Title: Government Program Management for the Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT).</p> <p>Description: Government Program Management for the IEWTPT program.</p> <p>FY 2015 Accomplishments: Provided program oversight, lifecycle management planning, and Combat Developer support. Enabled the configuration control and oversight of interfaces with complementary programs. Allowed continuous participation in planning, integration, and testing of IEWTPT components in a federation (family of systems) environment. Covered market surveys, technology insertion studies and reviews of deliverables needed to be ready for contract activities supporting the program.</p> <p>FY 2016 Plans: Will provide for the continuation of program oversight, lifecycle management planning, and Combat Developer support. Will enable the configuration control and oversight of interfaces with complementary programs. Will allow continuous participation in planning,</p>		0.519	0.829	0.829

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Army	Date: February 2016
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Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>	Project (Number/Name) 361 / <i>Intelligence Simulation Systems</i>
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017
integration, and testing of IEWTPT components in a federation (family of systems) environment. Will cover technology insertion studies and reviews of deliverables needed to be ready for contract award for the program.			
<i>FY 2017 Plans:</i> Will provide for the continuation of program oversight, lifecycle management planning, and Combat Developer support. Will enable the configuration control and oversight of interfaces with complementary programs. Will allow continuous participation in planning, integration, and testing of IEWTPT components in a federation (family of systems) environment. Will cover technology insertion studies and reviews of deliverables needed to be ready for contract award for the program.			
Accomplishments/Planned Programs Subtotals	0.519	5.513	5.851

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• Appropriation NA0102: <i>Appropriation NA0102; Training Devices, Nonsystem, Intelligence</i>	3.115	3.797	5.377	-	5.377	6.868	6.867	5.622	3.447	Continuing	Continuing
• TBWG, OMA 121: <i>TBWG, OMA 121</i>	0.234	2.097	4.318	-	4.318	4.440	2.723	2.785	2.779	Continuing	Continuing

Remarks

D. Acquisition Strategy
A future IEWTPT system contract, will continue the development, testing, version 6.0 cyber security, production, integration, fielding, training, hardware/software updates, and exercise support of the IEWTPT system. Software version releases are planned, as well as engineering for product improvement maintenance releases.

E. Performance Metrics
N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army												Date: February 2016			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 5				PE 0604742A / Constructive Simulation Systems Development				361 / Intelligence Simulation Systems							
Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Program Management	Various	PEO STRI : Orlando, FL	8.012	0.519		0.829		0.829		-		0.829	Continuing	Continuing	Continuing
Subtotal			8.012	0.519		0.829		0.829		-		0.829	-	-	-
Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TCC Technology	C/CPFF	TBD : TBD	6.600	-		1.300	Jun 2016	5.022	Jan 2017	-		5.022	Continuing	Continuing	Continuing
Eng & Manufacturing Dev.	C/CPFF	General Dynamics C4 Systems : Orlando, FL	55.386	-		3.384	Jun 2016	-		-		-	Continuing	Continuing	Continuing
Subtotal			61.986	-		4.684		5.022		-		5.022	-	-	-
Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering & Technical Support	TBD	TBD : TBD	2.743	-		-		-		-		-	0	2.743	2.743
Subtotal			2.743	-		-		-		-		-	0.000	2.743	2.743
Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TEMP Support	Various	Multiple : Various	0.319	-		-		-		-		-	0	0.319	0.319
Test Engineering Support	Various	Multiple : Various	1.313	-		-		-		-		-	0	1.313	1.313
Subtotal			1.632	-		-		-		-		-	0.000	1.632	1.632

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army								Date: February 2016			
Appropriation/Budget Activity 2040 / 5			R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>				Project (Number/Name) 361 / <i>Intelligence Simulation Systems</i>				
	Prior Years	FY 2015	FY 2016		FY 2017 Base	FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	74.373	0.519	5.513		5.851	-		5.851	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Army **Date:** February 2016

Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>	Project (Number/Name) 361 / <i>Intelligence Simulation Systems</i>
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Event Name	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	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
TCC/HCC Development/Integration/Test																												
(1) Version 5.0 Security Accred.			▲ 1																									
(2) Version 5.0 Release				▲ 2																								
(3) Version 6.0 Security Accred.								▲ 3																				
(4) Version 6.0 Release												▲ 4																
(5) Version 7.0 Security Accred.												▲ 5																
(6) Version 7.0 Release																▲ 6												
(7) Version 8.0 Security Accred.																				▲ 7								
(8) Version 8.0 Release																								▲ 8				
(9) Version 9.0 Security Accred.																												▲ 9
(10) Version 9.0 Release																												▲ 10
(11) Version 10.0 Security Accred.																												▲ 11
(12) Version 10.0 Release																												▲ 12

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>	Project (Number/Name) 361 / <i>Intelligence Simulation Systems</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
TCC/HCC Development/Integration/Test	4	2007	4	2021
Version 5.0 Security Accred.	3	2015	3	2015
Version 5.0 Release	4	2015	4	2015
Version 6.0 Security Accred.	3	2016	3	2016
Version 6.0 Release	4	2016	4	2016
Version 7.0 Security Accred.	2	2017	2	2018
Version 7.0 Release	3	2017	3	2018
Version 8.0 Security Accred.	3	2018	3	2018
Version 8.0 Release	4	2018	4	2018
Version 9.0 Security Accred.	3	2019	3	2019
Version 9.0 Release	4	2019	4	2019
Version 10.0 Security Accred.	3	2020	3	2020
Version 10.0 Release	4	2020	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Army										Date: February 2016		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>				Project (Number/Name) 362 / <i>Jnt Land Component Constructive Trng</i>			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
362: <i>Jnt Land Component Constructive Trng</i>	-	3.875	17.851	12.036	-	12.036	12.299	11.048	10.242	9.545	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Land Component Constructive Training Capability (JLCCTC) supports Army Title X training worldwide for Army Commanders and their staff at Mission Training Complexes (MTCs), Training and Doctrine Command (TRADOC) facilities, and other customer locations. JLCCTC trains Commanders and their staff in Decisive Actions to include offensive, defensive, stability, and civil support operations. JLCCTC is a software modeling and simulation capability that contributes to Army Training Mission Area by providing appropriate levels of modeling and simulation resolution and fidelity to support unit collective and combined arms training. JLCCTC provides a composable federation configurable to any combination of models and simulations, as required by training exercise intent/design. JLCCTC provides accurate representations of tactically and operationally relevant land warfare operations executed in a contemporary Joint operating environment/context and in support of Army Training and Readiness.

FY17 funding supports development, integration and test, and verification and validation activities of JLCCTC Version 8.1, supporting the Constructive Simulation Strategy implementation activities for a Constructive Standalone Capability to train Commanders and their Staff. In addition, JLCCTC will support the integration activities with Live, Virtual, Constructive-Integrating Architecture (LVC-IA) as we head towards a Single Federation solution.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2015	FY 2016	FY 2017
<p>Title: Improve JLCCTC software models to comply with emerging Common Operating Environment (COE)/Computing Environment (CE) requirements.</p> <p>Description: Improve JLCCTC software models to comply with emerging COE/CE requirements.</p> <p>FY 2016 Plans: Will continue improvements of JLCCTC software models for COE compliance.</p> <p>FY 2017 Plans: Will continue improvements of JLCCTC software models for COE compliance.</p>	-	1.900	0.900
<p>Title: Improve JLCCTC software models to meet emerging Mission Command (MC) stimulation and Information Assurance (IA) requirements.</p> <p>Description: Improve JLCCTC software models to meet emerging Mission Command (MC) stimulation and Information Assurance (IA) requirements.</p>	-	3.551	1.559

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Army		Date: February 2016		
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>	Project (Number/Name) 362 / <i>Jnt Land Component Constructive Trng</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2015	FY 2016	FY 2017
FY 2016 Plans: Will continue improvements of JLCCTC software models to support MC and IA requirements.				
FY 2017 Plans: Will continue improvements of JLCCTC software models to support MC and IA requirements.				
Title: Improve JLCCTC software models to meet emerging warfighter requirements for Training Relevance of Commander and staff training (Battalion thru Theater Level). Description: Improve JLCCTC software models to meet emerging warfighter requirements for Training Relevance of Commander and staff training (Battalion thru Theater Level). FY 2016 Plans: Will continue enhancing/improving JLCCTC software models to support Commander and staff training. FY 2017 Plans: Will continue enhancing/improving JLCCTC software models to support Commander and staff training.		-	2.050	2.130
Title: Technical Engineering Services/Support for JLCCTC Program Description: Technical Engineering Services/Support for JLCCTC Program FY 2016 Plans: Will continue Engineering and Support for the JLCCTC Program.		-	1.300	-
Title: Engineering and Manufacturing Development (EMD) phase contract activity for Constructive Strategy Implementation Description: Constructive Strategy Implementation FY 2016 Plans: Constructive Strategy Implementation FY 2017 Plans: Engineering and Manufacturing Development (EMD) phase contract activities to complete Phase I (Standalone Capability) and to support Phase II (LVC-IA Integration) of the Constructive Strategy Implementation		-	3.650	2.165
Title: Government System Test and Evaluation for the Joint Land Component Constructive Training Capability (JLCCTC) Program. Description: Government System Test and Evaluation for the Joint Land Component Constructive Training Capability (JLCCTC).		-	1.200	1.317

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017
<p>FY 2016 Plans: Will develop and evaluate system performance and conduct system test events (Integration and Testing, Value Engineering, Operational Readiness Event).</p> <p>FY 2017 Plans: Will develop and evaluate system performance and conduct system test events (Integration and Testing, Value Engineering, Operational Readiness Event).</p>			
<p>Title: Government Program Management for the Joint Land Component Constructive Training Capability (JLCCTC) Program. Description: Supports Government program management, engineering, logistics, contracting support and continues operational evaluation support for JLCCTC.</p> <p>FY 2015 Accomplishments: Supported Government program management, engineering, logistics, contracting support and operational evaluation support for JLCCTC.</p> <p>FY 2016 Plans: Supports Government program management, engineering, logistics, contracting support and continues operational evaluation support for JLCCTC.</p> <p>FY 2017 Plans: Supports Government program management, engineering, logistics, contracting support and continues operational evaluation support for JLCCTC.</p>	3.875	4.200	3.965
Accomplishments/Planned Programs Subtotals	3.875	17.851	12.036

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• NSTD Command & Control: OPA, NA0103	26.137	40.172	41.959	-	41.959	45.986	46.441	46.941	47.739	Continuing	Continuing
• TBWG: OMA, 121	7.284	10.400	10.668	-	10.668	10.900	11.135	11.297	12.753	Continuing	Continuing

Remarks

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>	Project (Number/Name) 362 / <i>Jnt Land Component Constructive Trng</i>

D. Acquisition Strategy

JLCCTC Indefinite Delivery/Indefinite Quantity (ID/IQ) contract was awarded to Lockheed Martin on 27 March 2013. This contract has a period of performance of five years with a total ceiling amount not to exceed \$146M.

Activities under this contract include System Engineering, Software Development, Integration & Test, support to validation events and PDSS/P3I support.

JLCCTC produces a major software release/version every 12 to 24 months, which is then distributed/fielded to over 40 MTCs worldwide in support of Army Command and Staff Training.

E. Performance Metrics

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army												Date: February 2016			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 5				PE 0604742A / Constructive Simulation Systems Development				362 / Jnt Land Component Constructive Trng							
Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	PEO STRI : Orlando, FL	51.188	3.875		4.200		3.965		-		3.965	Continuing	Continuing	Continuing
Subtotal			51.188	3.875		4.200		3.965		-		3.965	-	-	-
Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Constructive Strategy Implementation	C/CPFF	Various : Various	0.000	-		3.650	Mar 2016	2.165	Jan 2017	-		2.165	Continuing	Continuing	Continuing
Integration of JLCCTC	SS/FFP	Various : Various	56.851	-		-		-		-		-	Continuing	Continuing	Continuing
Improve JLCCTC to meet emerging warfighter requirements.	C/CPFF	Lockheed Martin : Orlando, FL	0.000	-		2.050	Jan 2016	2.130	Jan 2017	-		2.130	Continuing	Continuing	Continuing
MC Systems Stimulation and Information Assurance	C/CPFF	Lockheed Martin : Orlando, FL	0.000	-		3.551	Mar 2016	1.559	Mar 2017	-		1.559	Continuing	Continuing	Continuing
COE Compliance	C/CPFF	Lockheed Martin : Orlando, FL	0.000	-		1.900	Mar 2016	0.900	Mar 2017	-		0.900	Continuing	Continuing	Continuing
MRF-W Development of Army Training System	C/CPFF	Various : Various	10.200	-		-		-		-		-	Continuing	Continuing	Continuing
Development of logistics model	Various	Tapestry : San Diego, CA	20.615	-		-		-		-		-	0	20.615	20.615
WARSIM Development of Army Training System	SS/CPFF	Lockheed Martin Info Systems : Orlando, FL	122.061	-		-		-		-		-	0	122.061	122.570
Subtotal			209.727	-		11.151		6.754		-		6.754	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army												Date: February 2016			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 5				PE 0604742A / Constructive Simulation Systems Development				362 / Jnt Land Component Constructive Trng							
Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering & Tech Spt (SE, CM, Lab, Documentation)	Various	Various : Various	10.112	-		1.300	Jan 2016	-		-		-	Continuing	Continuing	Continuing
Subtotal			10.112	-		1.300		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System T&E (I&T, VE, ORE)	Various	Various : Various	19.648	-		1.200	May 2016	1.317	May 2017	-		1.317	Continuing	Continuing	Continuing
Verification, Validation and Accreditation	Various	Various : Various	13.244	-		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			32.892	-		1.200		1.317		-		1.317	-	-	-
Project Cost Totals			303.919	3.875		17.851		12.036		-		12.036	-	-	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Army **Date:** February 2016

Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>	Project (Number/Name) 362 / <i>Jnt Land Component Constructive Trng</i>
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Event Name	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	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 V5.6 / V7.1 / V8.0 System Engr / Develop / I&T / Validation	JLCCTC V5.6 / V7.1 / V8.0																											
(1) JLCCTC Version 5.6 / Version 8.0 Release	JLCCTC Version 5.6 / Version 8.0 Release																											
JLCCTC Version 8.1 System Engr / Develop / I&T / Validation																												
(2) JLCCTC V8.1 Release																												
JLCCTC Version 9.0 System Engr / Develop / I&T / Validation																												
(3) JLCCTC Version 9.0 Release																												
JLCCTC Version 10.0 System Engr / Develop / I&T / Validation																												
(4) JLCCTC Version 10.0 Release																												
JLCCTC Integration into LVC-IA	LVC-IA Integration																											
JLCCTC Constructive Strategy Implementation (Single Federation)	JLCCTC Constructive Strategy Implementation (Single Federation)																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604742A / <i>Constructive Simulation Systems Development</i>	Project (Number/Name) 362 / <i>Jnt Land Component Constructive Trng</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
JLCCTC V5.6 / V7.1 / V8.0 System Engr / Develop / I&T / Validation	4	2014	4	2016
JLCCTC Version 5.6 / Version 8.0 Release	4	2016	4	2016
JLCCTC Version 8.1 System Engr / Develop / I&T / Validation	4	2016	4	2017
JLCCTC V8.1 Release	4	2017	4	2017
JLCCTC Version 9.0 System Engr / Develop / I&T / Validation	1	2018	4	2019
JLCCTC Version 9.0 Release	4	2019	4	2019
JLCCTC Version10.0 System Engr / Develop / I&T / Validation	4	2019	4	2021
JLCCTC Version 10.0 Release	4	2021	4	2021
JLCCTC Integration into LVC-IA	1	2014	4	2021
JLCCTC Constructive Strategy Implementation (Single Federation)	2	2015	4	2019

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