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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Army										Date: February 2015		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604715A / Non-System Training Devices - Eng Dev							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	22.168	8.943	27.155	-	27.155	41.087	30.601	24.019	20.188	Continuing	Continuing
241: Nstd Combined Arms	-	18.767	5.858	24.214	-	24.214	38.084	27.672	21.054	17.215	Continuing	Continuing
573: Program Executive Office Simulation, Training Spt	-	3.401	3.085	2.941	-	2.941	3.003	2.929	2.965	2.973	Continuing	Continuing
<b>Note</b> Funds were realigned to higher priority requirements. The FY 2016 funding request was reduced by \$.982 million to account for the availability of prior year execution balances.												
<b>A. Mission Description and Budget Item Justification</b> Program Element funds development of Non-System Training Devices to support force-on-force training at the Combat Training Centers (CTC), general military training, and training on more than one item/system, as compared with system devices which are developed in support of a specific item/weapon system. Army training devices and training simulations contribute to the modernization of the forces by enabling readiness and strengthening combat effectiveness through realistic training solutions for the Warfighter. Training devices maximize the transfer of knowledge, skills, and experience from the training situation to a combat situation. Force-on-force training at the National Training Center (NTC), Ft. Irwin, CA; Joint Readiness Training Center (JRTC), Ft. Polk, LA, and Joint Multinational Readiness Center (JMRC), formerly the Combat Maneuver Training Center (CMTC), Hohenfels, Germany; and battle staff training in Battle Command Training Program (BCTP) provide increased combat readiness through realistic collective training in low, mid, and high intensity scenarios. Project 241, Non-System Training Devices-Combined Arms, develops simulation training devices for Army-wide use, including the CTCs. Project 573 funds key organizational support to Army/DoD Transformation via innovative simulation and training device efforts. Program Executive Office (PEO) Simulation, Training and Instrumentation (STRI)'s unique geographic co-location with other services facilitates joint training solutions in a common environment.  FY 2016 Project 241 funds significant development efforts in support of Army Training and Readiness on the Combat Training Center Instrumentation Systems (CTC-IS), Home Station Instrumentation Training System (HITS), Common Training Instrumentation Architecture (CTIA), Target Modernization, Medical Simulation Training Center (MSTC), Engagement Skills Trainer (EST), Live, Virtual, Constructive Integrating Architecture (LVC-IA), and Comprehensive Soldier & Family Fitness (CSF2).  FY 2016 Project 573 will provide for minimum PEO STRI core operations supporting development of training devices and simulations by PEO STRI's four Project Management Offices.												

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B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	18.971	8.945	35.311	-	35.311
Current President's Budget	22.168	8.943	27.155	-	27.155
Total Adjustments	3.197	-0.002	-8.156	-	-8.156
• Congressional General Reductions	-	-0.002			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	3.679	-			
• SBIR/STTR Transfer	-0.482	-			
• Adjustments to Budget Years	-	-	-8.156	-	-8.156

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Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604715A / Non-System Training Devices - Eng Dev				Project (Number/Name) 241 / Nstd Combined Arms			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
241: Nstd Combined Arms	-	18.767	5.858	24.214	-	24.214	38.084	27.672	21.054	17.215	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
<p>The Common Training Instrumentation Architecture (CTIA) program provides the common product-line architecture, product line software, standards, services, and architecture framework for developing the Live Training Transformation (LT2) Product Line of live training systems supporting Army-wide live instrumented Force-On-Force (FOF) and Force-On-Target (FOT) training requirements and is the core live architecture for the Live, Virtual, Constructive Integrated Training Environment (LVC-ITE).</p>												
<p>The Target Modernization program provides a common architectural framework, standards, specifications, and interfaces for live fire target devices, a common target control system for all range types, and innovative technologies to enhance training realism and reduce life cycle costs on the ranges.</p>												
<p>Combat Training Center Instrumentation System (CTC-IS) funds the continued development of the existing Instrumentation Systems (IS) at the National Training Center (NTC), Joint Readiness Training Center (JRTC) and Joint Multinational Readiness Center (JMRC). Also, CTC-IS funds the continued development of the Range Communication System at the NTC and JRTC, to provide high-fidelity live, virtual, and constructive brigade training rotations which prepare Brigade Combat Teams, Joint partners, and supporting units to deploy in support of Army Force Generation (ARFORGEN). CTC-IS develops new data communications systems increasing tracking accuracy and coverage at the CTCs to provide greater training fidelity to training units.</p>												
<p>The Home Station Instrumentation Training System (HITS) provides a high-fidelity deployable instrumented training capability to support platoon thru battalion level Live Force-on-Force Training. HITS tracks location of soldiers and vehicles and simulates weapons' effects and engagements, allowing units to "Train as they Fight" against live opponents. HITS provides accurate feedback to training units. HITS consists of light deployable components that can be rapidly assembled/disassembled and transported to support deployed training. HITS integrates with future and legacy MILES. HITS is a member of the Live Training Transformation (LT2) family of training systems and shares several hardware and software components with the Instrumentation Systems (IS). HITS provides the Live domain for Live-Virtual-Constructive (LVC) training integration.</p>												
<p>The Medical Simulation Training Center (MSTC) provides realistic medical training to both medical and non-medical Soldiers in the Active, Reserve, and National Guard. MSTCs provide hands-on instruction on the latest battlefield trauma and critical care techniques based on Army Medical Department (AMEDD) approved performance oriented Program of Instruction (POI). Medical treatment validation exercises simulate the high stress of performing medical interventions in combat. MSTC supports Unit Medical Readiness by validating Combat Medic (68W) Emergency Medical Technician (EMT) biennial recertification requirements and provides Combat Lifesaver (CLS) training to non-medical Soldiers.</p>												

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<p>The Engagement Skills Trainer (EST) is the unit/institutional, indoor, multipurpose, multi-lane, small arms, crew-served and individual anti-tank training simulation that enables training across three different modes: individual marksmanship; small unit (collective) gunnery and tactical training; and judgmental use of force (shoot/don't shoot), which includes escalation of force/graduated response scenarios.</p> <p>The Live, Virtual, Constructive Integrating Architecture (LVC-IA) provides a net-centric linkage that collects, retrieves and exchanges data among existing Training Aids, Devices, Simulations, and Simulators (TADSS) and Mission Command Systems. The LVC-IA defines "how" information is exchanged among the different LVC domains and the Mission Command Systems. The LVC-IA provides enterprise level tools for exercise control, after action review, and system information assurance. It develops hardware and software to interface the different Live, Virtual and Constructive communication protocols and to provide a correlated common operating picture for the training audience on their organic Mission Command equipment. The integration of the Live, Virtual, and Constructive TADSS with the Mission Command equipment will enable larger and more robust training events, to better prepare U.S. Soldiers for their missions at an overall reduced cost. The end-state goal is to enable an LVC Integrated Training Environment that can replicate Operational Environments in a cost effective manner to provide a high level of value-added training and mission rehearsal opportunities to Army Commanders and their Soldiers.</p> <p>Comprehensive Soldier &amp; Family Fitness (CSF2) is research and development efforts that include Future Soldier Assessment Tool (DASH-R) Project, Global Assessment Tool (GAT) 3.0 Project, and Program Evaluation (PE) Project.</p> <p>FY 2016 Project 241 funds significant development efforts in support of U.S. Army Training and Readiness on the Combat Training Center Instrumentation Systems (CTC-IS), Home Station Instrumentation Training System (HITS), Common Training Instrumentation Architecture (CTIA), Target Modernization, Medical Simulation Training Center (MSTC), Engagement Skills Trainer (EST), Live, Virtual, Constructive Integrating Architecture (LVC-IA), and Comprehensive Soldier &amp; Family Fitness (CSF2).</p>				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
<p><b>Title:</b> Engineering and Manufacturing Development (EMD) phase contract activity for the Common Training Instrumentation Architecture (CTIA) program.</p> <p><b>Description:</b> Continue EMD phase contract activities for the CTIA program to provide the common architecture capabilities.</p> <p><b>FY 2014 Accomplishments:</b> Continued development of CTIA to provide the common architecture capabilities that are essential for development, fielding, technology and capability insertion for Live Training Systems (LTS) to include: the Combat Training Centers-Instrumentation Systems (CTC-IS), Integrated Military Operations in Urbanized Terrain Training System (IMTS), Home Station Instrumentation Systems (HITS), Digital Ranges Training System (DRTS) training instrumentation programs and the Live, Virtual, Constructive-Integrated Training Environment (LVC-ITE) interoperability initiatives.</p> <p><b>FY 2016 Plans:</b></p>		4.060	-	4.285

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
Will continue development of CTIA to provide the common architecture capabilities that are essential for development, fielding, technology and capability insertion for LTS to include: the CTC-IS, Integrated Military Operations in IMTS, HITS, DRTS training instrumentation programs and the LVC-ITE interoperability initiatives.				
Title: Government Program Management for the Common Training Instrumentation Architecture (CTIA) program. Description: Government Program Management for the CTIA program. FY 2016 Plans: Program Management for the CTIA program.		-	-	0.364
Title: Engineering and Manufacturing Development (EMD) phase contract activity for the Combat Training Center Instrumentation System (CTC-IS). Description: Continue EMD phase contract activities for the CTC-IS. FY 2014 Accomplishments: CTC-IS funded the continued development of the existing Instrumentation Systems (IS) at the National Training Center (NTC), Joint Readiness Training Center (JRTC) and Joint Multinational Readiness Center (JMRC). Funding was used to develop a common Range Communications System (RCS) that can be implemented at both NTC and JRTC for increased entity tracking coverage and accuracy in order to increase After Action Review (AAR) fidelity for Brigade Combat Team (BCT) rotations to better prepare units for deployment. FY 2015 Plans: CTC-ISfunds the continued development of the existing IS at NTC, JRTC and JMRC. Funds are used to develop a common RCS that can be implemented at both NTC and JRTC for increased entity tracking coverage and accuracy in order to increase AAR fidelity for BCT rotations to better prepare units for deployment. FY 2016 Plans: CTC-IS will fund the continued development of the existing IS at NTC, JRTC and JMRC. Funding will be used to develop a common RCS that can be implemented at both NTC and JRTC for increased entity tracking coverage and accuracy in order to increase AAR fidelity for BCT rotations to better prepare units for deployment.		2.560	2.918	2.328
Title: Government Program Management for the Combat Training Center Instrumentation System (CTC-IS) program. Description: Government Program Management for the CTC IS program. FY 2014 Accomplishments:		1.339	1.302	1.447

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
Funded Program Management for the CTC-IS program. <b>FY 2015 Plans:</b> Funds Program Management for the CTC-IS program. <b>FY 2016 Plans:</b> Will fund Program Management for the CTC-IS program.				
<b>Title:</b> Engineering and Manufacturing Development (EMD) phase contract activity for the Homestation Instrumentation Training System (HITS) program. <b>Description:</b> EMD phase contract activities for the HITS program. <b>FY 2015 Plans:</b> Integrates and tests the interface between HITS and latest versions of the Live, Virtual, and Constructive Integrating Architecture (LVC-IA) to sustain the Integrated Training Environment (ITE) at Home Stations. Develops, integrates, and tests the interfaces with new versions of TESS and upgrades to existing fielded I-MILES. <b>FY 2016 Plans:</b> Will Integrate and test the interface between HITS and latest versions of the LVC-IA to sustain the Integrated Training Environment (ITE) at Home Stations. Will develop, integrate, and test the interfaces with new versions of TESS and upgrades to existing fielded I-MILES.		-	0.103	1.850
<b>Title:</b> Engineering and Manufacturing Development (EMD) phase contract activity for the Medical Simulation Training Center (MSTC). <b>Description:</b> EMD phase contract activities for the MSTC program. <b>FY 2016 Plans:</b> Enhancement of Birthing Simulator by developing realistic simulated tissue and sensors that will gather objective metrics regarding pressure, fetal position, etc. Enhancement of Intraosseous Fluid Resuscitation Training by including anatomical accuracy, tissue properties, and rapid refresh of the system to support high training OPTEMPO.		-	-	0.945
<b>Title:</b> Government Program Management for the Medical Simulation Training Center (MSTC) program. <b>Description:</b> Government Program Management for the MSTC program. <b>FY 2014 Accomplishments:</b>		0.073	-	0.177

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
Research management costs associated with Instructor Support System (ISS) development efforts for the FY14 MSTC program. <b>FY 2016 Plans:</b> Research management costs associated with development of the Birthing Simulator and the Intraosseous Resuscitation Trainer for the FY16 MSTC program.				
<b>Title:</b> Engineering and Manufacturing Development (EMD) phase contract activity for the Engagement Skills Trainer (EST) program. <b>Description:</b> EMD phase contract activities for the Engagement Skills Trainer (EST) program. <b>FY 2014 Accomplishments:</b> Developed adaptive marksmanship and intelligent tutoring capabilities for the EST II. <b>FY 2016 Plans:</b> Will develop EST Dynamic Terrain to accurately portray all battlefield effects, in accordance with the Contemporary Operating Environment (COE), across the full range of military operations including: friendly and enemy forces and their doctrine, tactics, techniques and procedures; all military recognized terrain; atmospheric and weather conditions; specific enemy and friendly vehicles and equipment; dynamic, correlated terrain; the effects of munitions on personnel, vehicles, structures; and develop prior years efforts (weapons, optics, etc). Will develop enhanced capabilities in accordance with the capability manager's priorities.		0.776	-	1.186
<b>Title:</b> Live, Virtual, Constructive Integrating Architecture (LVC-IA) Engineering and Manufacturing Development (EMD) phase contract activity. <b>Description:</b> Continue EMD phase contract activities for the LVC-IA program. <b>FY 2014 Accomplishments:</b> Completed system development, integration and demonstration of the LVC-IA Version 2 capability. <b>FY 2016 Plans:</b> Will complete system development, integration and demonstration of the LVC-IA Version 2 capability.		6.580	-	5.432
<b>Title:</b> Government Program Management for the Live, Virtual, Constructive Integrating Architecture (LVC-IA) Program. <b>Description:</b> Government Program Management for the LVC-IA Program. <b>FY 2014 Accomplishments:</b> Program Management for the LVC-IA Program. <b>FY 2015 Plans:</b>		0.616	0.937	1.756

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
Program Management for the LVC-IA Program.				
FY 2016 Plans: Program Management for the LVC-IA Program.				
Title: Live, Virtual, Constructive Integrating Architecture (LVC-IA) Program Government System Test and Evaluation. Description: Government System Test and Evaluation for the LVC-IA Program.		1.000	-	1.133
FY 2014 Accomplishments: LVC-IA continued integration testing support on developed components for LVC-IA for interoperability with Training Aids, Devices, Simulators and Simulations (TADSS) and other Mission Command Systems. LVC-IA conducted Federation Integration, Functional Verification and System Measurement of Performance (SMP) events, complete Test Readiness Review (TRR) and Government Acceptance Testing for Version 2.				
FY 2016 Plans: LVC-IA will continue integration testing support on developed components for LVC-IA for interoperability with TADSS and other Mission Command Systems. LVC-IA will conduct Federation Integration, Functional Verification and System Measurement of Performance (SMP) events, complete Test Readiness Review (TRR) and Government Acceptance Testing for Version 2.				
Title: Engineering and Manufacturing Development (EMD) phase contract activity for the Target Modernization program. Description: EMD phase contract activities for the Target Modernization program.		-	-	2.005
FY 2016 Plans: Will develop and integrate autonomous trackless moving type target systems into the Government owned target control system Targetry Range Automated Control Recording. Will develop both human and vehicle type autonomous targets. Bridge technology transition from an on-going Small Business Innovation Research effort.				
Title: Engineering and Manufacturing Development (EMD) phase contract activity for the One Tactical Engagement Simulation System (OneTESS) program. Description: EMD phase contract activities for the OneTESS program.		1.476	-	-
FY 2014 Accomplishments: OneTESS program completed an Initial Operational Test (IOT) on 11 February 2014 with an Operational Test Agency (OTA) Milestone Assessment Report (OMAR) delivered on 19 June 2014.				
Title: Government Program Management for the One Tactical Engagement Simulation System (OneTESS) program.		0.287	-	-



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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>								<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	
<b>Description:</b> Government Program Management for the One Tactical Engagement Simulation System (OneTESS) program.											
<b>FY 2014 Accomplishments:</b> Government Program Management for the OneTactical Engagement Simulation System (OneTESS) program.											
<b>Title:</b> Comprehensive Soldier & Family Fitness (CSF2)								-	0.598	1.306	
<b>Description:</b> Comprehensive Soldier & Family Fitness (CSF2), the Army community's premier resilience and health training program.											
<b>FY 2015 Plans:</b> Develops, tests and implements a variety of psychometric instruments administered on an electronic world-wide delivery platform; evaluation of Comprehensive Soldier and Family Fitness (CSF2) training effectiveness at influencing objective outcomes in the health and work performance domains; applying advanced statistical analysis techniques to emerging human subjects problems identified by the Army senior leadership (e.g., suicide, violent crime, sexual assault / harassment, etc).											
<b>FY 2016 Plans:</b> Will develop, test, and implement a variety of psychometric instruments administered on an electronic world-wide delivery platform; will evaluate CSF2 training effectiveness at influencing objective outcomes in the health and work performance domains; will apply advanced statistical analysis techniques to emerging human subjects problems identified by the Army senior leadership (e.g., suicide, violent crime, sexual assault / harassment, etc).											
<b>Accomplishments/Planned Programs Subtotals</b>								18.767	5.858	24.214	
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• Training Devices, Non-System: <i>Training Devices, Non-System</i>	215.428	106.295	303.236	-	303.236	243.908	203.786	207.265	228.094	Continuing	Continuing
• CTC Support: <i>CTC Support</i>	121.710	65.062	74.916	-	74.916	85.567	95.379	89.515	90.155	Continuing	Continuing
<b>Remarks</b>											
<b>D. Acquisition Strategy</b> Competitive development efforts based on performance specifications.											

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E. Performance Metrics N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Army												Date: February 2015			
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Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
OneTESS Program Management	Various	PEO STRI : Orlando, FL	8.046	-		-		-		-		-	-	8.046	8.046
OneTESS Program Management	Various	PEO STRI, : Orlando, FL	1.753	0.287	Feb 2014	-		-		-		-	-	2.040	2.040
CTC-IS Program Management	Various	PEO STRI : Orlando, FL	2.720	1.339	Mar 2014	1.302	Mar 2015	1.447	Mar 2016	-		1.447	Continuing	Continuing	Continuing
HITS Program Management	Various	PEO STRI : Orlando, FL	0.400	-		-		-		-		-	-	0.400	0.400
MSTC Program Management	Various	PEO STRI : Orlando, FL	0.382	0.073		-		0.177	Mar 2016	-		0.177	Continuing	Continuing	Continuing
EST Program Management	Various	PEO STRI : Orlando, FL	0.214	-		-		-		-		-	-	0.214	0.214
LVC-IA Program Management	Various	PEO STRI : Orlando, FL	4.293	0.616	Dec 2013	0.937	Dec 2014	1.756	Dec 2015	-		1.756	Continuing	Continuing	Continuing
Target Modernization	Various	PEO STRI : Orlando, FL	0.614	-		-		-		-		-	-	0.614	0.614
ETC-IS Program Management	Various	PEO STRI : Orlando, FL	0.164	-		-		-		-		-	-	0.164	0.164
CSF2	TBD	Multiple : Various	0.000	-		0.160		0.356		-		0.356	Continuing	Continuing	Continuing
CTIA	RO	PEO STRI : ORLANDO, FL	0.000	-		-		0.364	Mar 2016	-		0.364	Continuing	Continuing	Continuing
Subtotal			18.586	2.315		2.399		4.100		-		4.100	-	-	-
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
OneTESS	SS/CPFF	General Dynamics : Fairfax, VA	124.769	-		-		-		-		-	-	124.769	124.769
OneTESS	SS/CPFF	General Dynamics C4 Systems : Orlando, FL 32826	9.954	0.476	Nov 2013	-		-		-		-	-	10.430	10.430

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Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
CTIA	SS/CPFF	TBS : TBS	1.585	-		-		4.285	Mar 2016	-		4.285	Continuing	Continuing	Continuing
CTIA	C/CPFF	Lockheed Martin Inc. : Orlando, FL	57.091	-		-		-		-		-	-	57.091	57.091
CTIA	C/CPFF	General Dynamics C4 Systems : Orlando, FL	4.273	3.513	Mar 2014	-		-		-		-	-	7.786	7.786
CTC-IS	C/FFP	Northrop Grumman Technical Services : Herndon, VA	27.003	2.560	Mar 2014	2.918	Apr 2015	2.328	Mar 2016	-		2.328	Continuing	Continuing	Continuing
HITS	C/FFP	Riptide : Orlando, FL	1.379	-		-		-		-		-	-	1.379	1.379
HITS	C/IDIQ	General Dynamics C4 Systems : Orlando, FL 32826	1.625	-		-		-		-		-	-	1.625	1.625
HITS	C/FFP	TBS : TBS	0.000	-		0.103	Jun 2015	1.850	Jul 2016	-		1.850	Continuing	Continuing	Continuing
MSTC Development	C/FP	Multiple : Various	3.034	-		-		0.945	Jan 2016	-		0.945	Continuing	Continuing	Continuing
EST Development	C/FP	Cubic Simulation Systems, Inc. : Orlando, FL 32809-3813	1.528	-		-		-		-		-	-	1.528	1.528
EST	C/FP	Nova Technologies : Panama City, FL 32404-6747	0.609	-		-		-		-		-	-	0.609	0.609
EST Enhanced Capabilities Adaptive Marksmanship and Intelligent Tutoring	C/FFP	Dignitas Technologies : Orlando, FL 32817	0.000	0.776	Jun 2015	-		-		-		-	-	0.776	0.776
EST Enhanced Capabilities	C/FFP	Meggitt Training Systems, Inc. : Suwanee, GA 30024-1247	0.000	-		-		1.186	Apr 2016	-		1.186	Continuing	Continuing	Continuing
LVC-IA Development	C/CPFF	Cole Engineering Services, Inc : Various	23.242	6.580	Jun 2014	-		5.432	Jun 2016	-		5.432	Continuing	Continuing	Continuing

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Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0604715A / <i>Non-System Training Devices - Eng Dev</i>				Project (Number/Name) 241 / <i>Nstd Combined Arms</i>					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Target Modernization	C/CPFF	General Dynamics C4 Systems : Orlando, FL	4.671	-		-		-		-		-	-	4.671	4.671
Target Modernization	C/CPFF	TBS : TBS	0.000	-		-		2.005	Mar 2016	-		2.005	Continuing	Continuing	Continuing
Congressional Add Center of Excellence for Military Operations in Urban Terrain and Cultural Trn	C/FP	Multiple : Various	2.996	-		-		-		-		-	-	2.996	2.996
ETC-IS	SS/CPFF	General Dynamics C4 Systems : Orlando, FL 32826	4.836	-		-		-		-		-	-	4.836	4.836
CSF2	TBD	Multiple : Various	0.000	-		0.020		0.039		-		0.039	Continuing	Continuing	Continuing
Subtotal			268.595	13.905		3.041		18.070		-		18.070	-	-	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
OneTESS	Various	Various : Orlando, FL	6.596	-		-		-		-		-	-	6.596	6.596
OneTESS	Various	Various : Various	0.262	-		-		-		-		-	-	0.262	0.262
CTIA	Various	Various : Various	12.297	0.547	Mar 2014	-		-		-		-	-	12.844	12.844
Target Modernization	Various	Various : Various	0.192	-		-		-		-		-	-	0.192	0.192
CSF2	TBD	Multiple : Various	0.000	-		0.070		0.158		-		0.158	Continuing	Continuing	Continuing
Subtotal			19.347	0.547		0.070		0.158		-		0.158	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
OneTESS Development & Test	Various	Multiple : Orlando, FL	4.162	-		-		-		-		-	-	4.162	4.162

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2016 Army													<b>Date:</b> February 2015		
<b>Appropriation/Budget Activity</b> 2040 / 5						<b>R-1 Program Element (Number/Name)</b> PE 0604715A / <i>Non-System Training Devices - Eng Dev</i>				<b>Project (Number/Name)</b> 241 / <i>Nstd Combined Arms</i>					

  

<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>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>
OneTESS Test Support	Various	Multiple : Orlando, FL	0.280	1.000	Feb 2014	-		-		-		-	-	1.280	1.280
HITS	Various	Various : Orlando, FL	0.740	-		-		-		-		-	-	0.740	0.740
LVC-IA Test Support	Various	Multiple : Orlando, FL	3.169	1.000	Apr 2014	-		1.133	Apr 2016	-		1.133	Continuing	Continuing	Continuing
IEDES	Various	Multiple : Orlando, FL	0.519	-		-		-		-		-	-	0.519	0.519
CSF2	TBD	Multiple : Various	0.000	-		0.348		0.753		-		0.753	Continuing	Continuing	Continuing
<b>Subtotal</b>			8.870	2.000		0.348		1.886		-		1.886	-	-	-

  

	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	315.398	18.767	5.858	24.214	-	24.214	-	-	-

  

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army																Date: February 2015												
Appropriation/Budget Activity 2040 / 5										R-1 Program Element (Number/Name) PE 0604715A / Non-System Training Devices - Eng Dev								Project (Number/Name) 241 / Nstd Combined Arms										
Event Name	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
OneTESS Development																												
CTIA Development and Architectural Evolution																												
CTC IS Development																												
HITS Development																												
MSTC MT-C2 Development																												
MSTC Virtual Patient System Developments																												
MSTC Trainer Developments																												
EST Enhanced Capabilities Adaptive Marksmanship and Intelligent Tutor																												
EST Enhanced Capabilities																												
LVC-IA - Version 2																												
LVC-IA - Version 3																												
LVC-1A - Version 4																												
Target Modernization Development																												

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2016 Army</b>																		<b>Date:</b> February 2015										
<b>Appropriation/Budget Activity</b> 2040 / 5										<b>R-1 Program Element (Number/Name)</b> PE 0604715A / <i>Non-System Training Devices - Eng Dev</i>								<b>Project (Number/Name)</b> 241 / <i>Nstd Combined Arms</i>										
<b>Event Name</b>	<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>FY 2018</b>				<b>FY 2019</b>				<b>FY 2020</b>			
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
CSF2																												



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2016 Army			<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604715A / <i>Non-System Training Devices - Eng Dev</i>	<b>Project (Number/Name)</b> 241 / <i>Nstd Combined Arms</i>	

**Schedule Details**

<b>Events</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
OneTESS Development	1	2013	4	2014
CTIA Development and Architectural Evolution	1	2012	4	2020
CTC IS Development	1	2010	4	2020
HITS Development	3	2012	4	2020
MSTC MT-C2 Development	3	2014	2	2015
MSTC Virtual Patient System Developments	3	2014	3	2015
MSTC Trainer Developments	2	2016	4	2019
EST Enhanced Capabilities Adaptive Marksmanship and Intelligent Tutoring	3	2015	2	2016
EST Enhanced Capabilities	3	2016	3	2017
LVC-IA - Version 2	1	2014	3	2016
LVC-IA - Version 3	4	2016	3	2018
LVC-1A - Version 4	4	2018	3	2020
Target Modernization Development	1	2016	4	2020
CSF2	1	2015	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army										Date: February 2015		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0604715A / Non-System Training Devices - Eng Dev				Project (Number/Name) 573 / Program Executive Office Simulation, Training Spt			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
573: Program Executive Office Simulation, Training Spt	-	3.401	3.085	2.941	-	2.941	3.003	2.929	2.965	2.973	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note .												
A. Mission Description and Budget Item Justification In support of Non-System Training Devices (NSTD), this project funds the US Army Program Executive Officer Simulation, Training and Instrumentation (PEO STRI) core operations supporting development of Army training devices and simulations by PEO STRI project managers (PM TRADE, PM ITTS, PM CATT, and PM Constructive Simulation) FY 2016 funds labor in support of PEO operations.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: Government Program Management to support PEO STRI.									3.401	3.085	2.941	
Description: Government Program Management to support PEO STRI.												
FY 2014 Accomplishments: Government Program Management to support PEO STRI labor for project managers in PM TRADE, PM ITTS, PM CATT, and PM Constructive Simulation.												
FY 2015 Plans: Government Program Management to support PEO STRI labor for project managers in PM TRADE, PM ITTS, PM CATT, and PM Constructive Simulation.												
FY 2016 Plans: Government Program Management to support PEO STRI labor for project managers in PM TRADE, PM ITTS, PM CATT, and PM Constructive Simulation.												
Accomplishments/Planned Programs Subtotals									3.401	3.085	2.941	
C. Other Program Funding Summary (\$ in Millions) N/A												
Remarks												

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army		Date: February 2015
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604715A / Non-System Training Devices - Eng Dev	Project (Number/Name) 573 / Program Executive Office Simulation, Training Spt
D. Acquisition Strategy N/A		
E. Performance Metrics N/A		

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2016 Army												<b>Date:</b> February 2015		
<b>Appropriation/Budget Activity</b> 2040 / 5						<b>R-1 Program Element (Number/Name)</b> PE 0604715A / <i>Non-System Training Devices - Eng Dev</i>				<b>Project (Number/Name)</b> 573 / <i>Program Executive Office Simulation, Training Spt</i>				

  

<b>Management Services (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>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- PEO STRI	Various	PEO STRI : Orlando, FL	14.816	3.401		3.085		2.941		-		2.941	Continuing	Continuing	Continuing
<b>Subtotal</b>			14.816	3.401		3.085		2.941		-		2.941	-	-	-

  

	<b>Prior Years</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	14.816	3.401		3.085		2.941		-		2.941	-	-	-

  

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2016 Army</b>		<b>Date:</b> February 2015			
<b>Appropriation/Budget Activity</b> 2040 / 5		<b>R-1 Program Element (Number/Name)</b> PE 0604715A / <i>Non-System Training Devices - Eng Dev</i>		<b>Project (Number/Name)</b> 573 / <i>Program Executive Office Simulation, Training Spt</i>	

  

Event Name	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
Government Program Management	Government Program Management																											

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2016 Army		<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604715A / <i>Non-System Training Devices - Eng Dev</i>	<b>Project (Number/Name)</b> 573 / <i>Program Executive Office Simulation, Training Spt</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Government Program Management	1	2010	4	2020