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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 BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0603766A: Tactical Electronic Surveillance System - Adv Dev							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	5.757	8.660	6.894	-	6.894	9.102	8.989	8.623	11.862	Continuing	Continuing
907: Tactical Exploitation of National Capabilities-MIP	-	5.757	8.660	6.894	-	6.894	9.102	8.989	8.623	11.862	Continuing	Continuing

[#] 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

Note

A portion of the FY14 funding was realigned from Program Element (PE) 0603766A - 'Tactical Electronic Surveillance System - Adv Dev' (BA 6.4) into PE 0605766A, 'National Integration To Tactical Systems (MIP) - System Development and Demonstration' (BA 6.5) to properly capture and fund the TENCAP advanced technologies through their integration into Army Programs of Record (PORs).

A. Mission Description and Budget Item Justification

The Tactical Exploitation of National Capabilities (TENCAP) program serves as the Army's centralized lead to perform National Intelligence cross-agency engineering to evaluate, enhance, prototype, and transition Intelligence, Surveillance, and Reconnaissance (ISR) technologies/capabilities developed by Science and Technology (S&T) and other activities across the National Intelligence Community into Army systems and architectures. TENCAP (1) ensures continued access to current National and Theater sensors and supporting tactical architectures; and (2) exploits new developments that focus on improving the tasking, analysis, processing, exploitation, and dissemination of the intelligence data collected. This includes efforts to: (1) shorten targeting timelines down to Platoon level; (2) enhance target identification; (3) provide better target location (accuracy); (4) provide continued coverage of a target; and (5) develop in-theater analytic tools to enable data exploitation in near-real-time support to contingency operations.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	5.856	8.660	14.704	-	14.704
Current President's Budget	5.757	8.660	6.894	-	6.894
Total Adjustments	-0.099	0.000	-7.810	-	-7.810
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	-0.099	-	-7.810	-	-7.810

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 ITEM NOMENCLATURE PE 0603766A: Tactical Electronic Surveillance System - Adv Dev				PROJECT 907: Tactical Exploitation of National Capabilities-MIP			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
907: Tactical Exploitation of National Capabilities-MIP	-	5.757	8.660	6.894	-	6.894	9.102	8.989	8.623	11.862	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												
Note												
0603766A - Tactical Electronic Surveillance System program element develops advanced prototypes and capabilities to meet Army intelligence and operational requirements while protecting Army equity and ensuring continued interoperability through changes and improvements in the National Intelligence Community systems and architectures.												
A portion of the FY14 funding was realigned from Program Element (PE) 0603766A - 'Tactical Electronic Surveillance System - Adv Dev' (BA 6.4) into PE 0605766A, 'National Integration To Tactical Systems (MIP) - System Development and Demonstration' (BA 6.5) to properly capture and fund the TENCAP advanced technologies through their integration into Army Programs of Record (PORs).												
A. Mission Description and Budget Item Justification												
The Tactical Exploitation of National Capabilities (TENCAP) program serves as the Army's centralized lead to perform National Intelligence cross-agency engineering to evaluate, enhance, prototype, and transition Intelligence, Surveillance and Reconnaissance (ISR) technologies/capabilities developed by Science and Technology (S&T) and other activities across the National Intelligence Community into Army systems and architectures. TENCAP (1) ensures continued access to current National and Theater sensors and supporting tactical architectures; and (2) exploits new developments that focus on improving the tasking, analysis, processing, exploitation, and dissemination of intelligence data. This includes efforts to: (1) shorten targeting timelines down to Platoon level; (2) enhance target identification; (3) provide better target location (accuracy); (4) provide continued coverage of a target; and (5) develop in-theater analytic tools to enable data exploitation in near-real-time support to contingency operations.												
FY2014 Base funding in the amount of \$6.894 million provides for engineering and collaborative development of National Intelligence Community advancements for continuous interoperability with those community assets; advanced development of more effective intelligence collection, processing, exploitation and dissemination; and advanced development of sensor capabilities for Air Vigilance (AV) Army Program of Record												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: TENCAP Cross-agency Core Engineering activities									5.667	6.542	6.374	
Articles:									0	0		

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army			DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 ITEM NOMENCLATURE PE 0603766A: Tactical Electronic Surveillance System - Adv Dev		PROJECT 907: Tactical Exploitation of National Capabilities-MIP	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2012	FY 2013	FY 2014
Description: Collaborate, develop and exploit emerging multi-intelligence and Space-based technologies to satisfy/accelerate Army Intelligence, Surveillance, Reconnaissance (ISR), Battle Command and Force Protection requirements. FY 2012 Accomplishments: Ensured Army requirements in National developments; Ensured Army continued access to sensors and Space-based capabilities; Monitored emerging technologies and systems; Developed and/or exploited advancements for integration and standardization in Army processing, exploitation and data dissemination (PED) and theater net-centric geolocation (TNG) capabilities; Developed prototypes that improve Army intelligence products. FY 2013 Plans: Ensure Army requirements in National developments; Ensure Army continued access to sensors and Space-based capabilities; Monitor emerging technologies and systems; Continue to develop and/or exploit advancements for integration and standardization in Army processing, exploitation and data dissemination (PED) and theater net-centric geolocation (TNG) capabilities; Exploit advances in commercial imagery, specific emitter identification and full motion video technologies; Develop prototypes that improve Army intelligence products. FY 2014 Plans: Ensure Army requirements in National developments; Ensure Army continued access to sensors and Space-based capabilities; Monitor emerging technologies and systems; Continue to develop and centrally manage the theater net-centric geolocation (TNG) capabilities; Exploit advances in commercial imagery and specific emitter identification technologies; Develop prototypes that improve Army intelligence products.					
Title: Air Vigilance Description: Prototype development capability initiated under Army TENCAP program. FY 2012 Accomplishments: Continue development of Air Vigilance prototype capability for initiation as an enduring Air Vigilance (AV) Army Program of Record. FY 2013 Plans: Establish new Air Vigilance (AV) Army Program of Record, development of remote and airborne capabilities. FY 2014 Plans:			Articles: 0.090 0	2.118 0	0.520

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603766A: Tactical Electronic Surveillance System - Adv Dev				PROJECT 907: Tactical Exploitation of National Capabilities-MIP				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Advanced sensor development and enhancements for Air Vigilance (AV) Army Program of Record ingest and continued effectiveness.												
Accomplishments/Planned Programs Subtotals										5.757	8.660	6.894
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost	
• 0605766A RDTE: National Integration To Tactical Systems (MIP), 0605766A			21.143		21.143	15.472	8.772	1.434	1.950	Continuing	Continuing	
• W60001 OPA: Enemy UAS, OPA2 (W60001)			2.800		2.800	5.000	6.000			Continuing	Continuing	
Remarks												
A portion of the FY14 funding was realigned from Program Element (PE) 0603766A - 'Tactical Electronic Surveillance System - Adv Dev' (BA 6.4) into PE 0605766A, 'National Integration To Tactical Systems (MIP) - System Development and Demonstration' (BA 6.5) to properly capture and fund the TENCAP advanced technologies through their integration into Army Programs of Record (PORs).												
D. Acquisition Strategy												
The Army Tactical Exploitation of National Capabilities (TENCAP) mission is a Congressionally mandated and chartered enduring requirement to leverage National intelligence capabilities useful to the tactical Army. The Army TENCAP acquisition strategy is driven by an annual TENCAP General Officer Steering Group (TGOSG), co-chaired by the Army G2; Army G8; and the Military Deputy to the Assistant Secretary of the Army for Acquisition, Logistics, and Technology [ASA(ALT)]; and includes representatives from the Army G3; Army G6; Army Training and Doctrine Command (TRADOC); and the Program Executive Office for Intelligence, Electronic Warfare and Sensors (PEO IEW&S). The TGOSG reviews, validates, prioritizes, and guides Army TENCAP efforts, according to Army and Defense strategy. Based on this TGOSG guidance, Army TENCAP invests BA 6.4 RDTE in Intelligence Community developments during the more cost-effective advanced development phase to ensure Army requirements are met with minimal redundancy. Army TENCAP then uses BA 6.5 RDTE to manage the transition of these advanced development efforts through system development and integration into Army Programs of Record (PORs). This strategy ensures these leveraged investments remain viable through multiple budget cycles, significantly increasing successful transition to recipient Army PORs. With acquisition discipline and oversight provided by PEO IEW&S, Army TENCAP executes the TGOSG approved efforts through use of multiple contracts and agreements with the military, National agencies, Labs, Industry Partners and Academia for the full duration required to complete development and transition these National capabilities into enduring Army programs.												
E. Performance Metrics												
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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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)						R-1 ITEM NOMENCLATURE PE 0603766A: Tactical Electronic Surveillance System - Adv Dev						PROJECT 907: Tactical Exploitation of National Capabilities-MIP			
Management Services (\$ 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
Intelligence Engineers (SETA)	C/FFP	TASC, Inc.:Alexandria, VA	0.000	2.375	Dec 2011	3.126	Dec 2012	3.045	Dec 2013	-		3.045	Continuing	Continuing	Continuing
Intelligence Engineers(Matrix Gov)	MIPR	AGC:Alexandria, VA	0.000	0.870	Dec 2011	0.950	Dec 2012	0.950		-		0.950	Continuing	Continuing	Continuing
Subtotal			0.000	3.245		4.076		3.995		0.000		3.995			
Remarks FY14 - Funding reflects adjusted distribution of support to proper cost elements															
Product Development (\$ 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
TENCAP Core (Focus) Areas	Various	Multiple:Multiple	0.000	-		-		-		-		-	Continuing	Continuing	0.000
Air Vigilance	MIPR	Classified:MIPR	0.000	0.090	Feb 2012	1.838	Dec 2012	0.400	Dec 2013	-		0.400	Continuing	Continuing	0.000
Subtotal			0.000	0.090		1.838		0.400		0.000		0.400			0.000
Support (\$ 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
Prgm Mgmt-Dir Gov,travel,etc.	Allot	Army TENCAP:Alexandria, VA	0.000	2.422	Dec 2011	2.466	Oct 2012	1.611	Oct 2013	-		1.611	Continuing	Continuing	0.000
Facilities	MIPR	Army Geospatial:Ft. Belvoir, VA	0.000	-		-		0.768	Dec 2013	-		0.768	0.000	0.768	0.000
Subtotal			0.000	2.422		2.466		2.379		0.000		2.379			0.000

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APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>						R-1 ITEM NOMENCLATURE PE 0603766A: <i>Tactical Electronic Surveillance System - Adv Dev</i>				PROJECT 907: <i>Tactical Exploitation of National Capabilities-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
Lab Tests, Exercises, Simulations	MIPR	Multiple:Multiple	0.000	-		0.280	Jan 2013	0.120	Dec 2013	-		0.120	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.280		0.120		0.000		0.120			

	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
Project Cost Totals	0.000	5.757	8.660	6.894	0.000	6.894			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Army																DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>								R-1 ITEM NOMENCLATURE PE 0603766A: <i>Tactical Electronic Surveillance System - Adv Dev</i>								PROJECT 907: <i>Tactical Exploitation of National Capabilities-MIP</i>			

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Army			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603766A: <i>Tactical Electronic Surveillance System - Adv Dev</i>	PROJECT 907: <i>Tactical Exploitation of National Capabilities-MIP</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
TGOSG - annual - guides FY15-19 POM	4	2012	4	2012
Material Dev Decision (MDD) for Air Vigilance (AV) Program	3	2013	3	2013
TGOSG - annual - guides FY16-20 POM	4	2013	4	2013
TGOSG - annual - guides FY17-21 POM	4	2014	4	2014
TGOSG - annual - guides FY18-22 POM	4	2015	4	2015