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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Army	Date: February 2015
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>					R-1 Program Element (Number/Name) PE 0605766A / <i>National Capabilities Integration (MIP)</i>							
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	-	21.132	15.212	10.599	-	10.599	8.970	7.088	8.235	7.216	Continuing	Continuing
DX9: <i>National Integration To Tactical Systems(MIP)</i>	-	21.132	15.212	10.599	-	10.599	8.970	7.088	8.235	7.216	Continuing	Continuing

A. Mission Description and Budget Item Justification

National Integration to Tactical Systems provides centralized monitoring and synchronization of the transition and integration of proven advanced technologies, prototypes and standards developed by the National Intelligence Community (IC) into Army systems and Programs of Record. It also enables efficient use and oversight of system development funds for final stage integration, development, and testing of successful technologies and prototypes to advance, or make compliant, Army systems and Programs of Record that have or use National capabilities.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
Previous President's Budget	21.132	15.212	8.639	-	8.639
Current President's Budget	21.132	15.212	10.599	-	10.599
Total Adjustments	-	-	1.960	-	1.960
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	1.960	-	1.960

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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
DX9: National Integration To Tactical Systems(MIP)	-	21.132	15.212	10.599	-	10.599	8.970	7.088	8.235	7.216	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Conducts National Capabilities Integration to transition and incorporate selected Intelligence Community (IC) emerging technologies and advanced capabilities into Army systems and Programs of Record. Provides Army the ability to deliver services and capabilities successfully demonstrated through advanced development and prototype activities determined technologically ready by the Army Tactical Exploitation of National Capabilities (TENCAP) program. Facilitates testing and program office ability to accept and integrate National capabilities and standards into Program of Record acquisition systems and baselines.

A. Mission Description and Budget Item Justification

National Integration to Tactical Systems provides for centralized monitoring and synchronization of the transition and integration of new, updated, and emerging National Intelligence Community (IC) technologies, capabilities, and standards into Programs of Record across the Army to (1) to maintain operational relevance of Army programs and address changes in technology and the threat, (2) to ensure Army programs maintain interoperability with and access to the National community architecture and systems , and (3) to advance Army ability to conduct analysis and tasking, collection, processing, exploitation, dissemination and feedback (TCPEDF) of intelligence data.

FY2016 Base funding in the amount of \$10.599 million provides integration funds for 2 validated National Intel Community (IC) efforts: (1) Air Vigilance (AV) software development with \$7.179 million for the integration of advanced sensor developments into the Army Air Vigilance (AV) Program of Record; (2) Army TNG Integration, \$3.420 million funds the continued efforts to ensure Army Programs of Record are in compliance to the National standard for Airborne Overhead Cooperative Operations/Theater Net-Centric Geolocation (AOCO/TNG), per the Joint Requirement (JROCM 101-10).

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

	FY 2014	FY 2015	FY 2016
Title: Advanced Air Vigilance (AV) capabilities	8.032	7.362	7.179
Description: Advanced development, modifications, and changes to the Air Vigilance (AV) system software.			
FY 2014 Accomplishments: Provided for software development and integration of advances and/or changes to ensure continued system interoperability and viability.			
FY 2015 Plans:			

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Appropriation/Budget Activity 2040 / 5			R-1 Program Element (Number/Name) PE 0605766A / National Capabilities Integration (MIP)			Project (Number/Name) DX9 / National Integration To Tactical Systems(MIP)					
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2014	FY 2015	FY 2016		
Provides for software development and integration of advances and/or changes to ensure continued system interoperability and viability.											
FY 2016 Plans: Provides for software development and integration of advances and/or changes to ensure continued system interoperability and viability.											
Title: Army TNG Integration - Airborne Overhead Cooperative Operations (AOCO) / Theater Net-Centric Geolocation (TNG) Description: National Intelligence Community (IC) standard for interoperability and use of specific intelligence networked capabilities.							13.100	7.850	3.420		
FY 2014 Accomplishments: Provided funds to specified Army Programs of Record for software development and enhancements and for integration, ensuring compliance to the National requirement and standards and interoperability with this National Intelligence Community (IC) networked capability for tactical use and improved Army battlefield awareness.											
FY 2015 Plans: Provides funds to specified Army Programs of Record for software development and enhancements and for integration, ensuring compliance to the National requirement and standards and interoperability with this National Intelligence Community (IC) networked capability for tactical use and improved Army battlefield awareness.											
FY 2016 Plans: Provides funds to ensure specified Army Programs of Record can perform software development and enhancements for integration, ensuring compliance to the National requirement and standards and interoperability with National Intelligence Community (IC) networked capabilities for tactical use and improved Army battlefield awareness, to participate in the Theater Net-Centric Geolocation (TNG) standards for interoperability. (ref. CJCSI 32450.61, AOCO 13Jan2012)											
Accomplishments/Planned Programs Subtotals							21.132	15.212	10.599		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	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
• 0603766A: Tactical Support Development - Adv Dev (MIP), PE 643766	10.390	8.953	13.472	-	13.472	16.963	20.952	21.348	21.749	Continuing	Continuing

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C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2016</u>	<u>FY 2016</u>	<u>FY 2016</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Complete</u>	<u>Total Cost</u>
• W60001: <i>Air Vigilance (AV), OPA2 (W60001)</i>	-	7.000	8.224	-	8.224	0.739	1.526	2.485	2.533	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
The 'National Integration To Tactical Systems (Military Intelligence Program - MIP)' funds provide for transition and integration of National Intelligence Community (IC) advanced technologies and prototypes leveraged by the Army's Tactical Exploitation of National Capabilities (TENCAP) program office. 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 (IC) 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 (POR). This strategy ensures these leveraged investments remain viable through multiple budget cycles, significantly increasing successful transition to recipient Army POR. Army TENCAP facilitates the continued access to National Intel Community (IC) 'joint' efforts and compatibility with those National standards and software baseline for those Army PORs that benefit from these leveraged National IC technologies, resulting in cost-savings through cost-sharing, and Army participation in collaborative Intelligence.											
E. Performance Metrics											
N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Army												Date: February 2015			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0605766A / National Capabilities Integration (MIP)				Project (Number/Name) DX9 / National Integration To Tactical Systems(MIP)					
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
Matrix Gov Engineers	MIPR	AGC : Alexandria, VA	0.000	0.195	Dec 2013	0.200	Nov 2014	0.208	Nov 2015	-		0.208	Continuing	Continuing	-
Military Intelligence Engineers	C/FFP	TASC, Inc. : Chantilly, VA	0.000	0.675	Dec 2013	-		-		-		-	Continuing	Continuing	-
Military Intelligence Engineers	C/CPFF	TBD : TBD	0.000	-		0.695	Dec 2014	0.770	Dec 2015	-		0.770	-	1.465	-
Subtotal			0.000	0.870		0.895		0.978		-		0.978	-	-	-
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
Air Vigilance (AV) software updates and ehancement integration	MIPR	Classified : MIPR	0.000	5.389	Dec 2013	4.761	Dec 2014	4.391	Nov 2015	-		4.391	Continuing	Continuing	-
TNG for PM DCGS-A, PD Prophet and PM Sensors Aerial Intelligence	MIPR	Multiple : Multiple	0.000	13.100	Feb 2014	7.850	Feb 2015	3.420	Jan 2016	-		3.420	Continuing	Continuing	-
Subtotal			0.000	18.489		12.611		7.811		-		7.811	-	-	-
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
Air Vigilance (AV) program direct costs - Gov, travel, facilities, etc.	Allot	Army TENCAP/ Air Vigilance : Alexandria, VA	0.000	1.273	Oct 2013	1.206	Oct 2014	1.230	Oct 2015	-		1.230	Continuing	Continuing	-
Subtotal			0.000	1.273		1.206		1.230		-		1.230	-	-	-

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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
Integration, interoperability testing	MIPR	Multiple : Multiple	0.000	0.500	Jan 2014	0.500	Jan 2015	0.580	Jan 2016	-		0.580	Continuing	Continuing	-
Subtotal			0.000	0.500		0.500		0.580		-		0.580	-	-	-

	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	21.132	15.212	10.599	-	10.599	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army																Date: February 2015												
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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
(1) Requirements Definition Package (RDP)	▲1 AROC approval of requirements																											
(2) Air Vigilance (AV) Capability Drop 1	▲2																											
(3) Air Vigilance (AV) Capability Drop 2	▲3																											
(4) Air Vigilance (AV) Capability Drop 3	▲4																											
Air Vigilance Software Baseline integration of new developments	Continued Software effectivity and interoperability																											
Theater Net-centric Geolocation (TNG) interoperability standards	Enables Army assets to comply and participate																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Army			Date: February 2015
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Requirements Definition Package (RDP)	2	2014	2	2014
Air Vigilance (AV) Capability Drop 1	4	2014	4	2014
Air Vigilance (AV) Capability Drop 2	4	2015	4	2015
Air Vigilance (AV) Capability Drop 3	4	2016	4	2016
Air Vigilance Software Baseline integration of new developments	4	2013	4	2022
Theater Net-centric Geolocation (TNG) interoperability standards	2	2014	1	2022