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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army										Date: March 2019		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605766A / National Capabilities Integration (MIP)							
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	-	9.382	12.340	7.835	-	7.835	7.677	11.682	11.054	11.299	0.000	71.269
DX9: National Integration To Tactical Systems(MIP)	-	5.320	9.060	4.490	-	4.490	4.223	5.183	4.425	4.537	0.000	37.238
EX7: Air Vigilance System Development	-	4.062	3.280	3.345	-	3.345	3.454	6.499	6.629	6.762	0.000	34.031

Note

PE 0605766A 'National Capabilities Integration (MIP)' funds two separate efforts in two separate Projects:

(1) Project DX9 'National Integration To Tactical Systems (MIP)' provides system development research and development funds for integration of multiple projects development by Army TENCAP into enduring Programs of Record

(2) Project EX7 'Air Vigilance System Development' provides system development research and development funds to the Army's 'Air Vigilance' ACAT III Automated Information System (AIS) Program of Record (POR)

All funding is in support of the ACTIVE COMPONENT

A. Mission Description and Budget Item Justification

National Integration to Tactical Systems provides centralized monitoring and synchronization by the Army's Tactical Exploitation of National Capabilities (TENCAP) office, for 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. This Program Element includes System Development and Integration funds for the Air Vigilance Program of Record (POR). 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.

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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)		R-1 Program Element (Number/Name) PE 0605766A / National Capabilities Integration (MIP)			
B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	6.882	12.340	11.435	-	11.435
Current President's Budget	9.382	12.340	7.835	-	7.835
Total Adjustments	2.500	0.000	-3.600	-	-3.600
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	2.500	-	-3.600	-	-3.600
Change Summary Explanation					
FY 2020 funding adjustment is in support of the Army's modernization priorities.					

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Army										Date: March 2019		
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)			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
DX9: National Integration To Tactical Systems(MIP)	-	5.320	9.060	4.490	-	4.490	4.223	5.183	4.425	4.537	0.000	37.238
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

All funding is in support of the ACTIVE COMPONENT
Project DX9 'National Capabilities Integration (MIP)' was previously funded

A. Mission Description and Budget Item Justification

National Integration to Tactical Systems provides for centralized monitoring and synchronization by the Army's Tactical Exploitation of National Capabilities (TENCAP) office for 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) maintain operational relevance of Army programs and address changes in technology and the threat, (2) ensure Army programs maintain interoperability with and access to the National community architecture and systems, and (3) advance Army ability to conduct analysis and tasking, collection, processing, exploitation, dissemination and feedback (TCPEDF) of intelligence data.

FY 2020 Base funding in the amount of \$4.490 million provides integration funds for two (2) validated National Intel Community (IC) efforts: (1) Army TNG Integration, \$3.088 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); (2) TENCAP Radio Frequency Exploitation (TRFE), \$1.402 million funds the system development and integration efforts on the prototype kit.

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

	FY 2018	FY 2019	FY 2020
Title: Army TNG Integration - Airborne Overhead Cooperative Operations (AOCO) / Theater Net-Centric Geolocation (TNG)	2.820	3.024	3.088
Description: National Intelligence Community (IC) standard for interoperability and use of specific intelligence networked capabilities.			
FY 2019 Plans: Provide funds to specified Army Programs of Record (PORs) for final-stage software development and integration efforts, ensuring their compliance to the National requirement and standards that enables these PORs to be interoperable within this National Intelligence Community (IC) "Theater Net-Centric Geolocation (TNG)" network for joint tactical use and improved Army battlefield awareness. (ref. CJCSI 32450.61, AOCO 13Jan2012)			
FY 2020 Plans:			

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Appropriation/Budget Activity 2040 / 5		R-1 Program Element (Number/Name) PE 0605766A / <i>National Capabilities Integration (MIP)</i>		Project (Number/Name) DX9 / <i>National Integration To Tactical Systems(MIP)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2018	FY 2019	FY 2020
Continue to provide funds to specified Army Programs of Record (PORs) for final-stage software development and integration efforts, ensuring their compliance to the National requirement and standards that enables these PORs to be interoperable within this National Intelligence Community (IC) "Theater Net-Centric Geolocation (TNG)" network for joint tactical use and improved Army battlefield awareness. (ref. CJCSI 32450.61, AOCO 13Jan2012)					
FY 2019 to FY 2020 Increase/Decrease Statement: Funding increase to support additional quantity of Army sensors to be made compliant to TNG standards and interoperable.					
Title: AMDAS-Next Description: System development and integration of the prototype Advanced Miniaturized Data Acquisition System 'AMDAS - Next', the subsystem that provides national data to the tactical warfighter via intelligence community partners classified national systems. FY 2019 Plans: Provide for the initial system integration and interoperability testing of the prototype subsystem AMDAS - Next as part of the Army's common intel architecture and operations, and as sensor-data ingest for Army Distributed Common Ground System (DCGS-A) program. FY 2019 to FY 2020 Increase/Decrease Statement: Fiscal Year (FY) 2020 funding adjustment to support the Army's modernization priorities in support of the National Defense Strategy.			-	3.500	-
Title: TENCAP Radio Frequency Exploitation (TRFE) Description: New prototype capability kit that targets modern digital communications systems employed by near-peer nation states armies and assist with Battlespace RF Characterization for modern communication environments with the intent to synchronize SIGINT, Cyber and Electronic Warfare operations. Utilizes commercial industry components and architectures to minimize hardware costs, risk and maximizes scalability/modularity. FY 2019 Plans: Initial integration of TRFE cognitive software based Electronic Warfare and Cyber Attack prototype capability focused on countering Peer State and modern communication targets and threats. FY 2020 Plans: Continue integration of TRFE cognitive, software-based, SIGINT-Enabled, Electronic-Warfare-and-Cyber-Attack prototype capability focused on countering Peer-State and modern communication targets and threats. FY 2019 to FY 2020 Increase/Decrease Statement:			-	2.536	1.402

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Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0605766A / <i>National Capabilities Integration (MIP)</i>				Project (Number/Name) DX9 / <i>National Integration To Tactical Systems(MIP)</i>			
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2018	FY 2019	FY 2020	
Aligns funds for system development and integration of TENCAP Radio Frequency Exploitation (TRFE) efforts ready for transition.											
Title: Remote Ground Terminal (RGT)								2.500	-	-	
Description: Remote Ground Terminal (RGT) is a tactical ground station that downlinks commercial satellite imagery and processes it into NSG standard formats utilizing a common processor Direct Downlink. RGT is scalable, additional sensors can be added without increasing the tactical footprint.											
Accomplishments/Planned Programs Subtotals								5.320	9.060	4.490	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• 0603766A: <i>Tactical Electronic Surveillance System - Adv Dev</i>	27.733	35.667	34.890	-	34.890	26.257	29.299	31.285	33.987	0.000	219.118
Remarks											
D. Acquisition Strategy											
<p>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 with Army investments. 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. Funds will be used for final-stage integration efforts identified and vetted through the Army TENCAP annual TGOSG, such as: advanced Air Vigilance software enhancements; POR sensor integration into the Theater Net-Centric Geolocation network; integration of the future Advanced Miniaturized Data Acquisition System (AMDAS - Next) capability into PM DCGS-A family of systems and operational concepts; transition and integration of Army TENCAP technologies discovered and leveraged by the annual Military Exploitation of Reconnaissance and Intelligent Technology (MERIT) project selection process, as well as other transitioning technologies discovered and/or leverage through other joint TENCAP outreach efforts.</p>											

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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)
E. Performance Metrics N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army												Date: March 2019			
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 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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
TNG Engineers	MIPR	Multiple : Multiple	-	0.420	Jan 2018	0.913	Jan 2019	0.115	Jan 2020	-		0.115	0.000	1.448	Continuing
Subtotal			-	0.420		0.913		0.115		-		0.115	0.000	1.448	N/A
Remarks															
Activities for AV POR realign to Project EX7 in FY 2018.															
Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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
TNG for Multiple Army PORs	MIPR	Multiple : Multiple	26.973	1.905	Jan 2018	4.782	Jan 2019	2.250	Jan 2020	-		2.250	0.000	35.910	Continuing
TRFE	MIPR	Classified : Classified	-	-		2.336	Jan 2019	1.100	Jan 2020	-		1.100	0.000	3.436	Continuing
RGT	MIPR	Army Geospatial Center : Fort Belvoir	-	2.500	May 2018	-		-		-		-	0.000	2.500	-
Subtotal			26.973	4.405		7.118		3.350		-		3.350	0.000	41.846	N/A
Support (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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
TNG Support Costs	Allot	PEO IEW&S/PM SAI : Aberdeen Proving Grounds, MD	-	0.240	Jan 2018	0.554	Jan 2019	0.550	Jan 2020	-		0.550	0.000	1.344	Continuing
Subtotal			-	0.240		0.554		0.550		-		0.550	0.000	1.344	N/A

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Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0605766A / <i>National Capabilities Integration (MIP)</i>						Project (Number/Name) DX9 / <i>National Integration To Tactical Systems(MIP)</i>			
Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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
TNG Test and Evaluation	MIPR	Multiple : Multiple	-	0.255	Jan 2018	0.275	Jan 2019	0.275	Jan 2020	-		0.275	0.000	0.805	Continuing
TRFE	MIPR	Classified : Classified	-	-		0.200	Jan 2019	0.200	Jan 2020	-		0.200	0.000	0.400	Continuing
Subtotal			-	0.255		0.475		0.475		-		0.475	0.000	1.205	N/A
			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			26.973	5.320		9.060		4.490		-		4.490	0.000	45.843	N/A
Remarks															

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Appropriation/Budget Activity
2040 / 5

Project (Number/Name)
DX9 I National Integration To Tactical
Systems(MIP)

R-1 Program Element (Number/Name)
PE 0605766A / *National Capabilities Integration (MIP)*

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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army		Date: March 2019
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)

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Theater Net-centric Geolocation (TNG) Interoperability Standards	2	2014	1	2023
AMDAS Next Capabilities Integration	2	2019	4	2024
TRFE Prototype Integration Effort	1	2018	4	2024

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Army										Date: March 2019		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605766A / National Capabilities Integration (MIP)				Project (Number/Name) EX7 / Air Vigilance System Development			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
EX7: Air Vigilance System Development	-	4.062	3.280	3.345	-	3.345	3.454	6.499	6.629	6.762	0.000	34.031
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note All funding is in support of the ACTIVE COMPONENT Project EX7 'Air Vigilance System Development' was previously funded												
A. Mission Description and Budget Item Justification Air Vigilance systems are a software based solution that collect critical intelligence data on emerging threat aerial systems. The intelligence data provides early warning of operations in restricted airspace to ensure force protection. An Air Vigilance system is comprised of a server unit configured and fielded with a single or multiple sub-component sensors. System Quantities are based upon server units. Operational details are classified. FY 2020 Base funding in the amount of \$3.345 million provides for system development and integration of latest software developments and hardware configurations in accordance with Capability Drop (CD) 3 requirements												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2018	FY 2019	FY 2020	
Title: Air Vigilance System Development and Integration									4.062	3.280	3.345	
Description: Software and hardware engineering, development and integration efforts.												
FY 2019 Plans: Provide for software development and integration to ingest latest collected sensor data into the common baseline and enhance system capabilities to meet newly identified threats and latest Capability Drop requirements.												
FY 2020 Plans: Will provide for software development and integration to ingest latest collected sensor data into the common baseline and enhance system capabilities to meet newly identified threats and latest Capability Drop requirements.												
FY 2019 to FY 2020 Increase/Decrease Statement: System development driven by and in response to collected sensor data.												
Accomplishments/Planned Programs Subtotals									4.062	3.280	3.345	

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Army										Date: March 2019	
Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0605766A / <i>National Capabilities Integration (MIP)</i>				Project (Number/Name) EX7 / <i>Air Vigilance System Development</i>			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• 0603766A: <i>Tactical Electronic Surveillance System - Adv Dev</i>	27.733	35.667	34.890	-	34.890	26.257	29.299	31.285	33.987	0.000	219.118
• W60001: <i>Air Vigilance (AV) (MIP)</i>	5.348	8.497	8.953	-	8.953	8.169	8.530	8.701	8.875	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
<p>Air Vigilance (AV) is an ACAT III Automated Information System (AIS) program of record (POR) that originated from a Quick Reaction Capability (QRC) developed and fielded cooperatively with the Intelligence Community (IC) through the efforts and mission of the Army's Tactical Exploitation of National Capabilities (TENCAP) office. The QRC was transitioned into an Army AIS POR by the AAE in May 2013 and assigned to Army Program Executive Office - Intelligence Electronic Warfare and Sensors (PEO IEWS), the chartered acquisition authority for management and execution of the Army's TENCAP mission and Milestone Decision Authority (MDA) for the AV POR. The Army TENCAP continues to leverage the IC common software development and support contract to field the AV systems, and ensure this primarily software based system can continue to access and leverage the common software, and input or ingest the latest sensor collects into the common IC data library. As an AIS POR, the AV POR is currently fielding systems per its Basis of Issue Plan (BOIP) and with software and system capabilities that meet its latest validated Capability Drop (CD) requirements. The AV POR is currently scheduled to meet Full Deployment (FD) by 2021, and will continue to evolve to meet future validated Capability Drop requirements and maintain its effectiveness against emerging threats.</p>											
E. Performance Metrics											
N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army												Date: March 2019			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0605766A / <i>National Capabilities Integration (MIP)</i>						Project (Number/Name) EX7 / <i>Air Vigilance System Development</i>			
Management Services (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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 Engineers and Technical Assistance (SETA)	Option/CPAF	Perspecta : Alexandria, VA	-	0.480	Feb 2018	0.510	Jan 2019	0.530	Jan 2020	-		0.530	0.000	1.520	Continuing
Subtotal			-	0.480		0.510		0.530		-		0.530	0.000	1.520	N/A
Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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 software updates and integration	MIPR	Classified : Classified	-	2.588	Jan 2018	1.825	Jan 2019	1.865	Jan 2020	-		1.865	0.000	6.278	Continuing
Subtotal			-	2.588		1.825		1.865		-		1.865	0.000	6.278	N/A
Support (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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
DA Gov Salaries, Travel, Office Costs	Allot	PEO IEWS/Air Vigilance POR : Alexandria, VA	-	0.744	Nov 2017	0.830	Dec 2018	0.850	Dec 2019	-		0.850	0.000	2.424	Continuing
Subtotal			-	0.744		0.830		0.850		-		0.850	0.000	2.424	N/A
Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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 system Testing and Exercises	MIPR	Classified : Classified	-	0.250	Jan 2018	0.115	Jan 2019	0.100	Jan 2020	-		0.100	0.000	0.465	-
Subtotal			-	0.250		0.115		0.100		-		0.100	0.000	0.465	N/A

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Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605766A / National Capabilities Integration (MIP)					Project (Number/Name) EX7 / Air Vigilance System Development					
			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	4.062		3.280		3.345		-		3.345	0.000	10.687	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army			Date: March 2019		
Appropriation/Budget Activity 2040 / 5		R-1 Program Element (Number/Name) PE 0605766A / <i>National Capabilities Integration (MIP)</i>		Project (Number/Name) EX7 / <i>Air Vigilance System Development</i>	

Event Name	FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024			
	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
AV system development, integration and fielding contract																												
(2) Contract - Opt 1																												
(2) Contract - Opt 2																												
Air Vigilance CD #3 National Assessment Group Test																												
Full Deployment - Current RDP s/w Baseline																												
TRFE GSA Contract																												
E3I GSA Contract																												
E3I GSA Contract 1yr Base, w/4 Options																												
AV s/w, h/w dev, integration and fielding - Follow-on capabilities																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army			Date: March 2019
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
(Cont.) (1) AV system development and integration	1	2016	1	2016
AV system development, integration and fielding contract	2	2016	2	2021
(2) Contract - Opt 1	2	2018	1	2019
(2) Contract - Opt 2	2	2019	1	2020
Air Vigilance CD #3 National Assessment Group Test	3	2018	3	2018
Full Deployment - Current RDP s/w Baseline	2	2021	2	2021
TRFE GSA Contract	2	2018	2	2019
E3I GSA Contract	2	2019	2	2019
E3I GSA Contract 1yr Base, w/4 Options	2	2019	2	2025
AV s/w, h/w dev, integration and fielding - Follow-on capabilities	4	2020	1	2026