Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army											Date: March 2024	
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 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**	**FY 2026**	**FY 2027**	**FY 2028**	**FY 2029**	**Cost To Complete**	**Total Cost**
Total Program Element	-	16.790	15.129	16.565	-	16.565	16.960	17.139	17.333	17.507	0.000	117.423
BV3: *Technical Intel Targeting Access Node (TITAN)*	-	7.057	5.146	6.650	-	6.650	6.840	6.913	6.992	7.062	0.000	46.660
DX9: *National Integration To Tactical Systems*	-	3.197	3.187	3.140	-	3.140	3.337	3.371	3.410	3.444	0.000	23.086
EX7: *Air Vigilance System Development*	-	6.536	6.796	6.775	-	6.775	6.783	6.855	6.931	7.001	0.000	47.677

A. Mission Description and Budget Item Justification

Tactical Exploitation of National Capabilities (TENCAP) exploits national capabilities to pace evolving threats in support of operations during conflict and competition. TENCAP systems and technologies provide deep sensing to support commanders' situational understanding (patterns of life, threat intentions, etc.), indications & warnings (detection of enemy mobilization and hostile activity), and intelligence support to targeting (order of battle, electronic target folders, target detection, Battle Damage Assessment, etc.). TENCAP systems and technologies support Theater-level fires and effects, TENCAP systems enable integrated Signals Intelligence (SIGINT) / Electronic Warfare (EW) / and Cyberspace operations. TENCAP supports Army modernization priorities including Long Range Precision Fires, Assured Position Navigation and Timing/Space (PNT/S), Future Vertical Lift (FVL), and Air Missile Defense (AMD). In summary, TENCAP is a key enabler to defeating peer competitor Anti-Access / Area-Denial (A2/AD) strategies.

This Program Element includes three separate projects described below.
1. Tactical Intelligence Targeting Access Node (TITAN) (BV3) - This project includes funding for system integration and testing of the TITAN (space) Pre-Prototype that will provide Army units with assured access to space-based Intelligence, Surveillance, and Reconnaissance (ISR) sensor data from Commercial and National levels. The follow-on effort to the TITAN (space) Pre-Prototype is testing and integration of the Space Ground Component Kit (SGCK) into the TITAN Program of Record. The SGCK consists of antennas, other RF components, and other capabilities developed as part of the TITAN (space) Pre-Prototype effort.
2. National Integration to Tactical Systems (DX9) - This project enables the Army's Tactical Exploitation of National Capabilities (TENCAP) office to monitor, synchronize, and transition proven, advanced technologies, prototypes and standards, developed by the National Intelligence Community (IC), into Army tactical systems and Programs of Record during the most cost-effective, early stages of development.
3. Air Vigilance (AV) Program of Record (POR) (EX7) - This project provides System Development and Integration funds for the classified POR.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army					Date: March 2024
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army I* BA 5: *System Development & Demonstration (SDD)*			R-1 Program Element (Number/Name) PE 0605766A *I National Capabilities Integration (MIP)*		
B. Program Change Summary ($ in Millions)	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**
Previous President's Budget	17.030	15.129	16.953	-	16.953
Current President's Budget	16.790	15.129	16.565	-	16.565
Total Adjustments	-0.240	0.000	-0.388	-	-0.388
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.240	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.388	-	-0.388

Change Summary Explanation

Army approved minor reduction.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army											Date: March 2024	
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605766A / *National Capabilities Integration (MIP)*				Project (Number/Name) BV3 / *Technical Intel Targeting Access Node (TITAN)*			
COST ($ in Millions)	**Prior Years**	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**	**FY 2026**	**FY 2027**	**FY 2028**	**FY 2029**	**Cost To Complete**	**Total Cost**
BV3: *Technical Intel Targeting Access Node (TITAN)*	-	7.057	5.146	6.650	-	6.650	6.840	6.913	6.992	7.062	0.000	46.660
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

All funding is in support of the ACTIVE COMPONENT.

A. Mission Description and Budget Item Justification

The BV3 project demonstrates and integrates space-to-ground station capabilities in the TITAN Program of Record (POR) vehicles. The integration of these capabilities into the TITAN POR provides timely assured access to National and Commercial Space-Based Intelligence, Surveillance, and Reconnaissance (ISR) sensor data supporting Warfighting commanders' situational understanding (patterns of life, threat intentions, etc.), indications & warnings (detection of enemy mobilization and hostile activity), and intelligence support to targeting (order of battle, electronic target folders, target detection, Battle Damage Assessment, etc.).

FY2025 base dollars in the amount of $6.650 million funds integration and demonstration of TITAN (space) Pre-Prototype and integration of the Space Ground Component Kit (SGCK) into the TITAN POR after validation in the TITAN Integration Environment (TIE). Enables continued integration of prototype software and sensor-unique hardware into representative TITAN POR architecture to provide access to National and Commercial Space-based ISR. FY2025 base funds support continued development and integration of next generation commercial and national space SIGINT and GEOINT sub-systems. The SGCK will follow a Modular Open Systems Approach (MOSA) to support seamless integration of future space capability into the TITAN POR.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: BV3 / Tactical Intelligence Targeting Access Node (TITAN) Prototype System	7.057	5.146	6.650
Description: Development and delivery of Space Ground Component Kits (SGCKs) to the Tactical Intelligence Targeting Access Node (TITAN) (space) Pre-Prototypes Program of Record, integration of new sensor and analytic capabilities into TITAN Pre-Prototypes and SGCKs.			
FY 2024 Plans: Funds integration and demonstration of TITAN (space) Pre-Prototype and integration of the SGCK into the TITAN POR after validation in the TITAN Integration Environment (TIE). Enables continued integration of prototype software and sensor-unique hardware into representative TITAN POR architecture to provide access to National and Commercial Space-based ISR. FY2024 base funds support continued development and integration of next generation commercial and national space SIGINT and			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0605766A / *National Capabilities Integration (MIP)*	**Project (Number/Name)** BV3 / *Technical Intel Targeting Access Node (TITAN)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
GEOINT sub-systems. The SGCK will follow a Modular Open Systems Approach (MOSA) to support seamless integration of future space capability into the TITAN POR. ***FY 2025 Plans:*** Base funds support continued development and integration of next generation commercial and national space SIGINT and GEOINT sub-systems, and funds for integration and demonstration of TITAN (space) Pre-Prototype after validation in the TITAN Integration Environment (TIE). Enables continued integration of prototype software and sensor-unique hardware into representative TITAN POR architecture to provide access to National and Commercial Space-based ISR. The SGCK will follow a Modular Open Systems Approach (MOSA) to support seamless integration of future space capability into the TITAN POR. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY24 to FY25 funding increase $1.491M is due to increased integration of SGCK into the TITAN Program of Record and $.013M due to inflation increase.			
Accomplishments/Planned Programs Subtotals	7.057	5.146	6.650

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• 0603766A: *Tactical Electronic Surveillance System - Adv Dev*	72.364	65.567	90.265	-	90.265	63.649	48.625	53.954	49.333	Continuing	Continuing

Remarks

BV3 integration activities are conducted in concert with development activities funded by PE 0603766A BX9.

D. Acquisition Strategy

The TITAN (space) Pre-Prototype requirement was validated by the TENCAP General Officer Steering Group (TGOSG) in April 2019. In order to maximize agility and innovation in acquisition, TENCAP worked with the Defense Innovation Unit (DIU) to establish an Other Transaction Authority (OTA) agreement to develop the TITAN (space) Pre-Prototype and follow-on SGCK capabilities. The TITAN (space) Pre-Prototype provides a modernized, deployable, ground station capable of rapidly and semi-autonomously receiving, processing, exploiting, fusing, and disseminating space-based sensor data to provide improved situational awareness and direct tactical support to Army commanders at echelon. The TITAN (space) Pre-Prototype reduces S2S latency to allow timely intelligence support to the commander. The TITAN (space) Pre-prototype uses an agile software development approach, and maximizes non-proprietary / modular open system architectures (MOSA) to rapidly update and ingest data streams from emerging commercial vendors and national data sources. This OTA was preceded by Soldier touchpoints to inform this acquisition. Soldier engagement was used throughout the development and demonstration of the TITAN (space) Pre-Prototype. The capabilities successfully demonstrated in the TITAN (space) Pre-Prototype are being integrated into the TITAN POR through the SGCK.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605766A / *National Capabilities Integration (MIP)*	Project (Number/Name) BV3 / *Technical Intel Targeting Access Node (TITAN)*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
TITAN (space) Prototype Engineering Services	C/CPFF	Strategic ACI : Alexandria, VA	0.329	0.385	Jan 2023	0.303	Jan 2024	0.219	Jan 2025	-		0.219	0.000	1.236	-
		Subtotal	0.329	0.385		0.303		0.219		-		0.219	0.000	1.236	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
TITAN (space) Pre-Prototype SGCK Integration	C/FFP	Northrup Grumman : Aurora, CA	4.500	5.742	Jan 2023	4.030	Feb 2024	5.775	Jan 2025	-		5.775	0.000	20.047	-
		Subtotal	4.500	5.742		4.030		5.775		-		5.775	0.000	20.047	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
TITAN (space) Pre-Prototype Development	Various	Army TENCAP : Alexandria, VA	0.500	0.500	Jan 2023	0.500	Feb 2024	0.555	Jan 2025	-		0.555	0.000	2.055	-
		Subtotal	0.500	0.500		0.500		0.555		-		0.555	0.000	2.055	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Exercises for TITAN (space) Pre-Prototype Development	C/CPFF	Multiple : Multiple	0.400	0.430	Jan 2023	0.313	Jan 2024	0.101	Jan 2025	-		0.101	0.000	1.244	-
		Subtotal	0.400	0.430		0.313		0.101		-		0.101	0.000	1.244	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605766A / *National Capabilities Integration (MIP)*	Project (Number/Name) BV3 / *Technical Intel Targeting Access Node (TITAN)*	

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	5.729	7.057		5.146		6.650		-		6.650	0.000	24.582	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0605766A / *National Capabilities Integration (MIP)*	**Project (Number/Name)** BV3 / *Technical Intel Targeting Access Node (TITAN)*

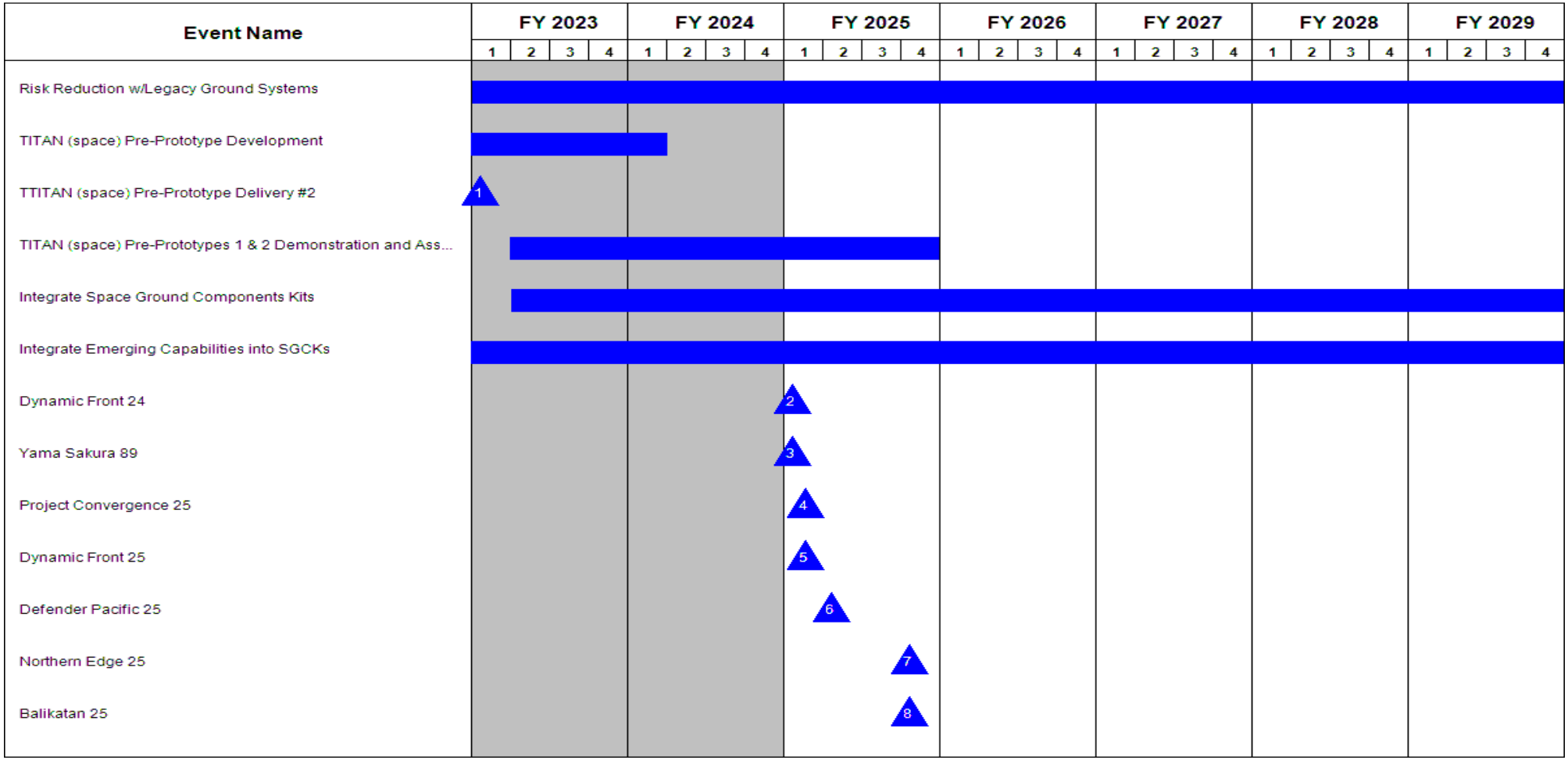

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0605766A / *National Capabilities Integration (MIP)*	**Project (Number/Name)** BV3 / *Technical Intel Targeting Access Node (TITAN)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Risk Reduction w/Legacy Ground Systems	1	2020	4	2029
TITAN (space) Pre-Prototype Development	4	2020	1	2024
TITAN (space) Pre-Prototype Factory Acceptance Test #1	3	2022	3	2022
TITAN (space) Pre-Prototype Factory Acceptance Test #2	4	2022	4	2022
TTITAN (space) Pre-Prototype Delivery #1	4	2022	4	2022
TTITAN (space) Pre-Prototype Delivery #2	1	2023	1	2023
TITAN (space) Pre-Prototypes 1 & 2 Demonstration and Assessment	1	2023	4	2025
Integrate Space Ground Components Kits	2	2023	4	2029
Integrate Emerging Capabilities into SGCKs	3	2022	4	2029
Dynamic Front 24	1	2025	1	2025
Yama Sakura 89	1	2025	1	2025
Project Convergence 25	1	2025	1	2025
Dynamic Front 25	1	2025	1	2025
Defender Pacific 25	2	2025	2	2025
Northern Edge 25	4	2025	4	2025
Balikatan 25	4	2025	4	2025

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army			Date: March 2024
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*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
DX9: *National Integration To Tactical Systems*	-	3.197	3.187	3.140	-	3.140	3.337	3.371	3.410	3.444	0.000	23.086
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

All funding is in support of the ACTIVE COMPONENT.

A. Mission Description and Budget Item Justification

TENCAP exploits national capabilities to pace evolving threats in support of operations during conflict and competition. TENCAP systems and technologies provide deep sensing to support commanders' situational understanding (patterns of life, threat intentions, etc.), indications & warnings (detection of enemy mobilization and hostile activity), and intelligence support to targeting (order of battle, electronic target folders, target detection, Battle Damage Assessment, etc.). TENCAP systems and technologies support Theater-level fires and effects, TENCAP systems enable integrated Signals Intelligence (SIGINT) / Electronic Warfare (EW) / and Cyberspace operations. TENCAP supports Army modernization priorities including Long Range Precision Fires, Assured Position Navigation and Timing/Space (PNT/S), Future Vertical Lift (FVL), and Air Missile Defense (AMD). In summary, TENCAP is a key enabler to defeating peer competitor Anti-Access / Area-Denial (A2/AD) strategies.

Funding for this project allows the Army's Tactical Exploitation of National Capabilities (TENCAP) office to monitor, synchronize the transition, and integrate new, updated, and emerging National Intelligence Community (IC) technologies, capabilities, and standards into Army Programs of Record during early stages of development when costs are lowest. The project helps 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 IC community architecture and systems as they evolve, and (3) advance the Army's ability to conduct analysis and tasking, collection, processing, exploitation, dissemination (TCPED) of intelligence data.

FY 2025 Base funding in the amount of $3.140 million provides integration of validated National IC capabilities and prioritized by the TENCAP General Officer Steering Group (TGOSG) into Army Programs of Record. The funded efforts include system development and integration of National sensors, architectures, and capabilities.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: National Integration to Tactical Systems	3.197	3.187	3.140
Description: National Integration provides for enhancements developed by Army TENCAP's BA 6.4 Project 907 along with the integration and transition of new, updated and emerging National Intelligence Community technologies and capabilities into Program of Records (POR)s. This effort develops and integrates national intelligence community software that informs, influences and enhances MULTI-INT sensor systems, by targeting modern digital communications systems employed by near-peer nation state armies.			
FY 2024 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
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*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Continue following the direction and priorities, established by the Tactical Exploitation of National Capabilities (TENCAP) General Officers' Steering Group (GOSG), to develop and integrate National asset capabilities into Army programs. FY2024 plans include Integrating the latest specialized capability advances and collected data into the open, government-owned software, and enabling Signal Intelligence (SIGINT), Electronic Warfare, and Cyber capabilities into Programs of Record (POR)s. ***FY 2025 Plans:*** Continue following the direction and priorities, established by the Tactical Exploitation of National Capabilities (TENCAP) General Officers' Steering Group (GOSG), to develop and integrate National asset capabilities into Army programs. FY2025 plans include Integrating the latest specialized capability advances and collected data into the open, government-owned software, and enabling Signal Intelligence (SIGINT), Electronic Warfare, and Cyber capabilities into Programs of Record (POR)s. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2025 level of effort anticipated to remain stable.			
Accomplishments/Planned Programs Subtotals	3.197	3.187	3.140

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• 0603766A: *Tactical Electronic Surveillance System - Adv Dev*	72.364	65.567	90.265	-	90.265	63.649	48.625	53.954	49.333	Continuing	Continuing
• OMA - 122011 OMA: *Contractor Logistics Support and Other Weapon Support, OMA 122011*	-	-	-	-	-	-	-	-	-		
• OMA - 122021 OMA: *Contractor Logistics Support and Other Weapon, OMA 122021 Support*	11.842	11.640	11.725	-	11.725	11.775	11.866	12.022	12.142	Continuing	Continuing

Remarks

FY25 Base OMA funding provides support to Army TENCAP capabilities and programs.

D. Acquisition Strategy

The 'National Integration to Tactical Systems' funds provide for transition and integration of National IC advanced technologies and prototypes leveraged by the Army's TENCAP program office. The Army TENCAP acquisition strategy is driven by an annual TENCAP General Officer Steering Group (TGOSG). The TGOSG reviews, validates, prioritizes, and guides Army TENCAP efforts, according to the Army and Defense strategies. Based on this TGOSG guidance, Army TENCAP invests RDTE in Intelligence Community (IC) developments during the more cost-effective advanced development phase to ensure Army requirements are met with minimal redundancy

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
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*

with Army investments. Army TENCAP then transitions 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 PORs. Army TENCAP facilitates the continued access to National IC 'joint' efforts and compatibility with those National standards and software baselines for those Army PORs that benefit from these leveraged National IC technologies. This results in cost savings through cost sharing, and Army participation in collaborative Intelligence. Funds will be used for integration efforts identified and vetted through the Army TENCAP annual TGOSG.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
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*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
National Integration Engineers	MIPR	Army Geospatial Center : Alexandria, VA 22304	0.120	0.150	Jan 2023	0.413	Feb 2024	-		-		-	0.000	0.683	Continuing
National Integration Engineers	C/CPFF	Sigma Defense : Alexandria, VA	-	-		-		0.353	Jan 2025	-		0.353	0.000	0.353	-
		Subtotal	0.120	0.150		0.413		0.353		-		0.353	0.000	1.036	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
TENCAP Radio Frequency Exploitation (TRFE)	MIPR	Classified : Classified	4.958	0.823	Jan 2023	-		-		-		-	0.000	5.781	Continuing
National Integration	MIPR	Multiple : Multiple	1.691	1.504	Jan 2023	2.134	Jan 2024	2.184	Jan 2025	-		2.184	0.000	7.513	-
		Subtotal	6.649	2.327		2.134		2.184		-		2.184	0.000	13.294	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
National Integration Program Management	C/CPFF	Intrepid : Alexandria, VA	0.373	0.360	Jan 2023	0.400	Feb 2024	0.343	Jan 2025	-		0.343	0.000	1.476	-
		Subtotal	0.373	0.360		0.400		0.343		-		0.343	0.000	1.476	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
TRFE	MIPR	Classified : Classified	0.394	0.180		-		-		-		-	0.000	0.574	Continuing
National Integration	C/CPFF	Intrepid : Alexandria, VA	0.150	0.180	Jan 2023	0.240	Jan 2024	0.260	Jan 2025	-		0.260	0.000	0.830	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
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*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	0.544	0.360		0.240		0.260		-		0.260	0.000	1.404	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	7.686	3.197		3.187		3.140		-		3.140	0.000	17.210	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
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*

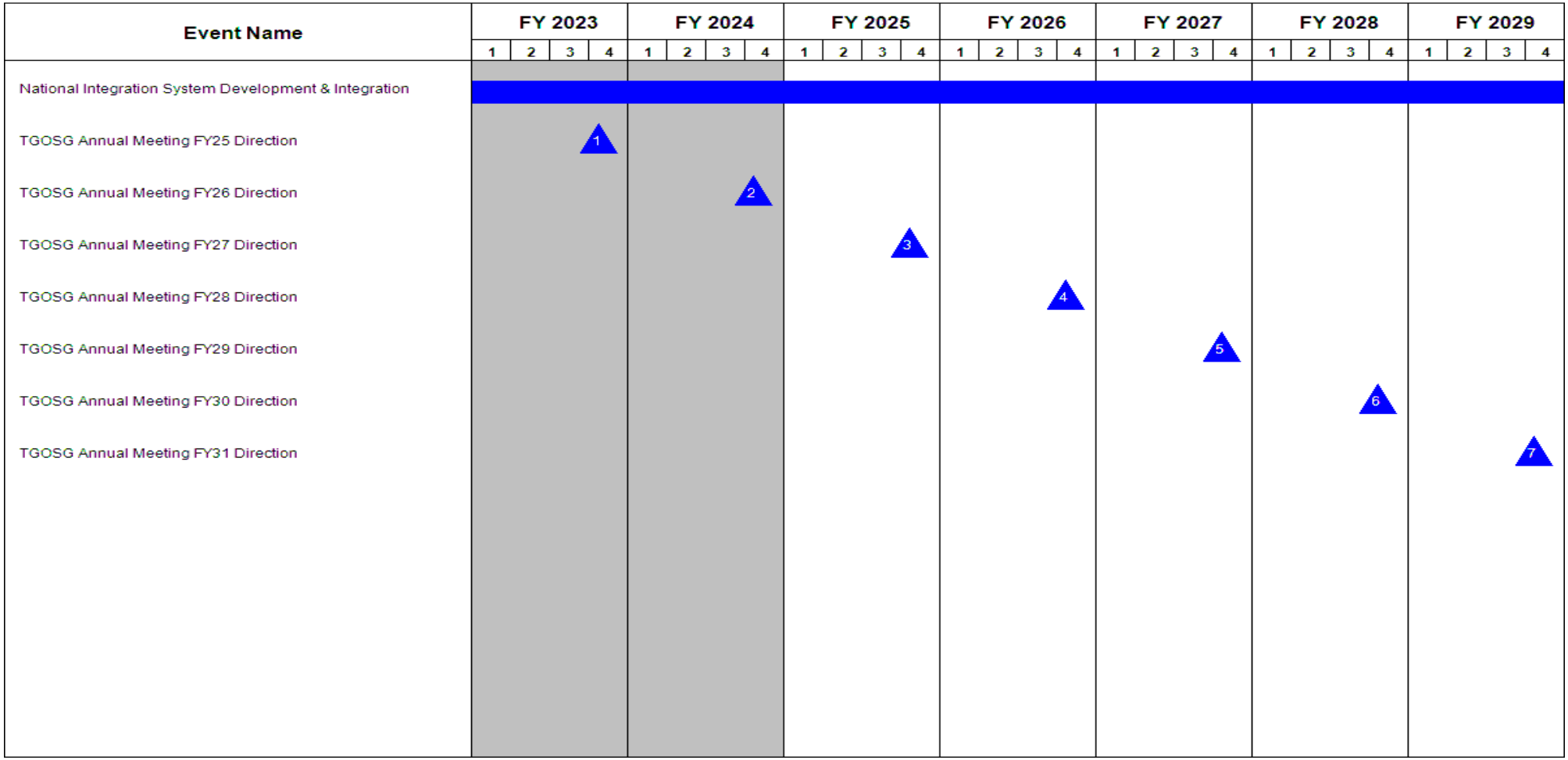

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0605766A / *National Capabilities Integration (MIP)*	**Project (Number/Name)** DX9 / *National Integration To Tactical Systems*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
National Integration System Development & Integration	1	2022	4	2029
TGOSG Annual Meeting FY24 Direction	4	2022	4	2022
TGOSG Annual Meeting FY25 Direction	4	2023	4	2023
TGOSG Annual Meeting FY26 Direction	4	2024	4	2024
TGOSG Annual Meeting FY27 Direction	4	2025	4	2025
TGOSG Annual Meeting FY28 Direction	4	2026	4	2026
TGOSG Annual Meeting FY29 Direction	4	2027	4	2027
TGOSG Annual Meeting FY30 Direction	4	2028	4	2028
TGOSG Annual Meeting FY31 Direction	4	2029	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army			Date: March 2024
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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
EX7: *Air Vigilance System Development*	-	6.536	6.796	6.775	-	6.775	6.783	6.855	6.931	7.001	0.000	47.677
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

All funding is in support of the ACTIVE COMPONENT.

A. Mission Description and Budget Item Justification

Operational details are classified. The Air Vigilance system is a software-based capability that collects critical intelligence data on emerging threat aerial systems. The collected data provides early warning of enemy operations in restricted airspace to ensure force protection. An Air Vigilance system is comprised of a server unit configured and connected with either a single or multiple sensors.

FY2025 Base funding in the amount of $6.775 million provides for the development and integration of Pre-Planned Product Improvements (P3I) to meet and pace an evolving threat. The P3I consists of system development and integration of the latest software and hardware configurations to gain greater processing power, keep pace with emerging enemy changes, and ensure interoperability between System Capability Drops (CD). These funds also provide for continued development and integration of the CD 4 requirements into a proof-of-concept transportable system, and the development of central services in a classified cloud environment.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Air Vigilance System Development and Integration	6.536	6.796	6.775
Description: Software and hardware engineering, development and integration efforts.			
FY 2024 Plans: Continue development and integration of Pre-Planned Product Improvements (P3I) to meet and pace an evolving threat. The P3I consist of system development and integration of the latest software and hardware configurations to gain greater processing power, keep pace with emerging enemy changes, and ensure interoperability between System Capability Drops (CD). These funds also provide for continued development and integration of the CD 4 requirements into a proof-of-concept mobile variant. The original plan was to develop two proof-of-concept mobile variants, but to reduce costs, the program is developing only one mobile variant.			
FY 2025 Plans: Continue development and integration of Pre-Planned Product Improvements (P3I) to meet and pace an evolving threat. The P3I consists of system development and integration of the latest software and hardware configurations to gain greater processing power, keep pace with emerging enemy changes, and ensure interoperability between System Capability Drops (CD). These			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
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*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
funds also provide for continued development and integration of the CD 4 requirements into a proof-of-concept transportable variant, and the development of processing stack in a classified cloud environment. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2025 level of effort anticipated to remain stable.			
Accomplishments/Planned Programs Subtotals	6.536	6.796	6.775

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• 0603766A: *Tactical Electronic Surveillance System - Adv Dev*	72.364	65.567	90.265	-	90.265	63.649	48.625	53.954	49.333	Continuing	Continuing
• W60001: *AIR VIGILANCE (AV)*	5.688	6.641	9.956	-	9.956	9.993	9.998	9.078	9.168	Continuing	Continuing

Remarks

The Air Vigilance product team leverages $30.106 million from line 0603766A to fund advanced software development.

D. Acquisition Strategy

Air Vigilance (AV) is an Acquisition Category (ACAT) III 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 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 Mission Partner software development to keep pace with the threat by ingesting the latest sensor collects into the common Intelligence Community (IC) data library. The AV POR has fielded systems IAW the approved Basis of Issue Plan (BOIP) and with software and system capabilities that meet its latest validated Capability Drop (CD) requirements. The AV POR will continue to evolve meeting future validated Capability Drop requirements and maintaining its effectiveness against emerging threats.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
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*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
System Engineers and Technical Assistance (SETA)	C/CPAF	TBD : Various	2.972	1.420	Mar 2023	1.412	Mar 2024	-		-		-	0.000	5.804	Continuing
		Subtotal	2.972	1.420		1.412		-		-		-	0.000	5.804	N/A

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Vigilance software and hardware updates and integration	Option/ CPAF	TBD : Various	11.341	4.122	Mar 2023	4.342	Mar 2024	6.239	Mar 2025	-		6.239	0.000	26.044	Continuing
		Subtotal	11.341	4.122		4.342		6.239		-		6.239	0.000	26.044	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PM Costs, Travel, Facilities	Allot	Army TENCAP : Alexandria, VA	4.060	0.814	Mar 2023	0.821	Mar 2024	0.136	Mar 2025	-		0.136	0.000	5.831	Continuing
		Subtotal	4.060	0.814		0.821		0.136		-		0.136	0.000	5.831	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Vigilance System Testing and Exercises	Option/ CPAF	TBD : Various	0.694	0.180	Mar 2023	0.221	Mar 2024	0.400	Mar 2025	-		0.400	0.000	1.495	Continuing
		Subtotal	0.694	0.180		0.221		0.400		-		0.400	0.000	1.495	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army			Date: March 2024
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 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	19.067	6.536		6.796		6.775		-		6.775	0.000	39.174	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
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*

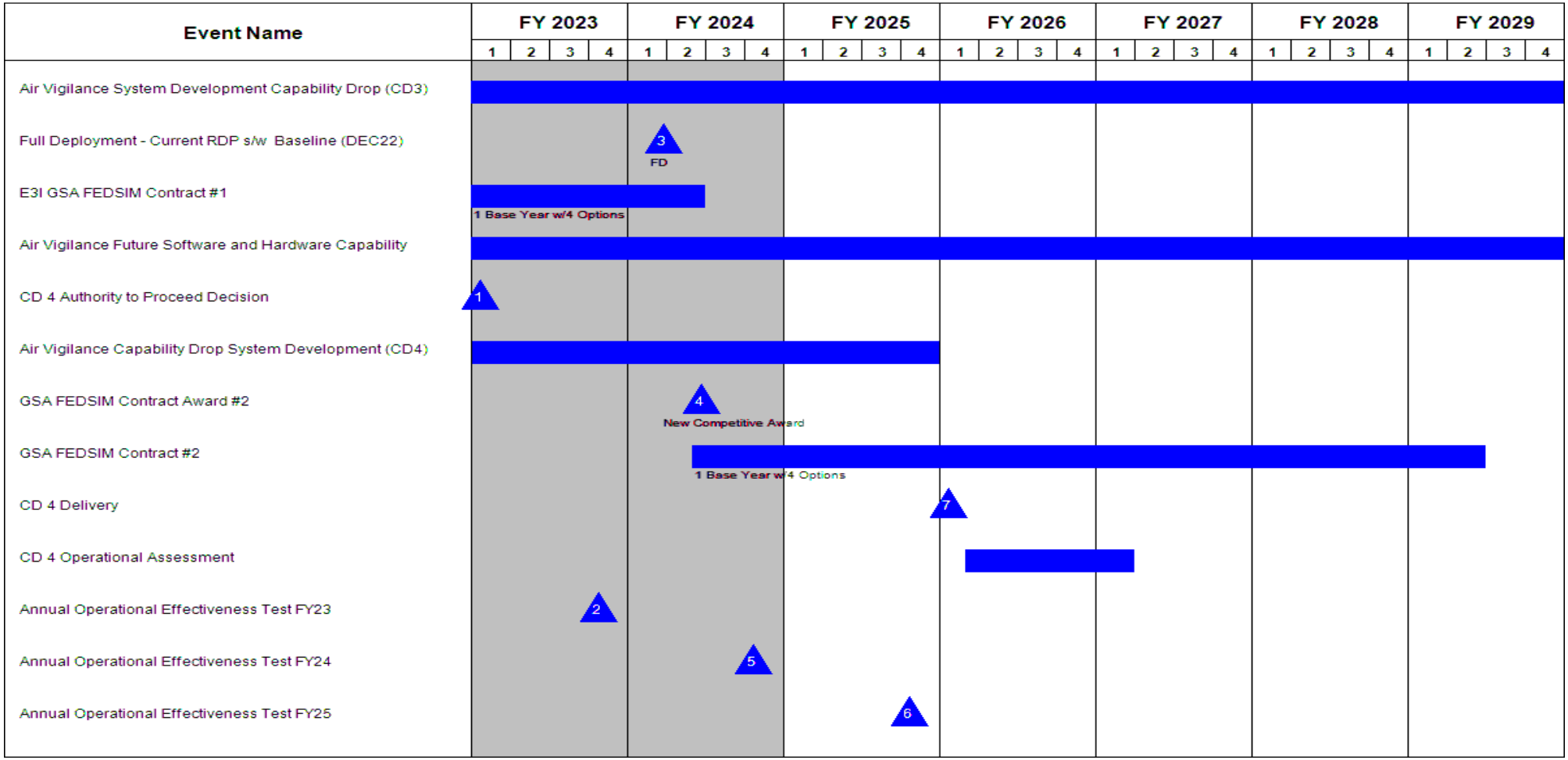

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0605766A / *National Capabilities Integration (MIP)*	**Project (Number/Name)** EX7 / *Air Vigilance System Development*

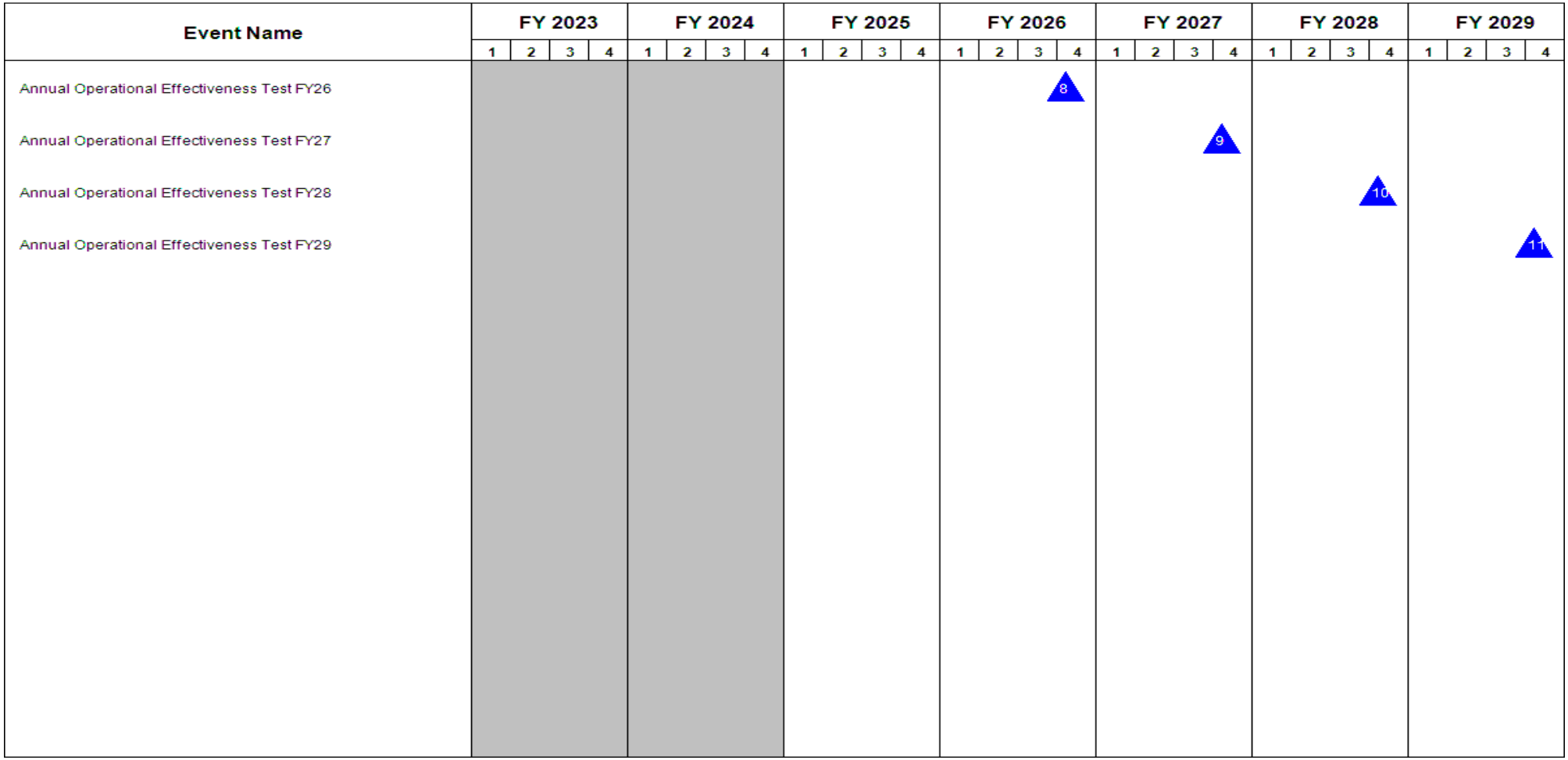

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0605766A / *National Capabilities Integration (MIP)*	**Project (Number/Name)** EX7 / *Air Vigilance System Development*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Air Vigilance System Development Capability Drop (CD3)	2	2016	4	2029
Air Vigilance CD #3 National Assessment Group Test	3	2018	3	2018
Full Deployment - Current RDP s/w Baseline (DEC22)	1	2024	1	2024
TRFE GSA FEDSIM Bridge Contract	2	2018	3	2019
E3I GSA FEDSIM Contract #1 Contract Award	2	2019	2	2019
E3I GSA FEDSIM Contract #1	2	2019	2	2024
Air Vigilance Future Software and Hardware Capability	2	2022	4	2029
CD 4 Authority to Proceed Decision	1	2023	1	2023
Air Vigilance Capability Drop System Development (CD4)	1	2023	4	2025
GSA FEDSIM Contract Award #2	2	2024	2	2024
GSA FEDSIM Contract #2	2	2024	2	2029
CD 4 Delivery	1	2026	1	2026
CD 4 Operational Assessment	1	2026	1	2027
Annual Operational Effectiveness Test FY23	4	2023	4	2023
Annual Operational Effectiveness Test FY24	4	2024	4	2024
Annual Operational Effectiveness Test FY25	4	2025	4	2025
Annual Operational Effectiveness Test FY26	4	2026	4	2026
Annual Operational Effectiveness Test FY27	4	2027	4	2027
Annual Operational Effectiveness Test FY28	4	2028	4	2028
Annual Operational Effectiveness Test FY29	4	2029	4	2029