Department of War
Fiscal Year (FY) 2027 Budget Estimates

April 2026

The Joint Staff

Defense-Wide Justification Book Volume 5 of 5

Research, Development, Test & Evaluation, Defense-Wide

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Department Of War
FY 2027 President's Budget
Exhibit R-1
Total Obligational Authority
(Dollars in Thousands)

Apr 2026

Appropriation	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
Research, Development, Test and Evaluation, Defense-Wide	259,505	229,850	6,500	236,350	853,333		853,333
Total Research, Development, Test, & Evaluation	**259,505**	**229,850**	**6,500**	**236,350**	**853,333**		**853,333**

Department Of War
FY 2027 President's Budget
Exhibit R-1
Total Obligational Authority
(Dollars in Thousands)

Apr 2026

	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request	FY 2027 Total
Summary Recap of Budget Activities							
Advanced Component Development and Prototypes	36,326	25,706		25,706	28,314		28,314
System development and demonstration			6,500	6,500	580,348		580,348
Management support	223,179	204,144		204,144	244,671		244,671
Total Research, Development, Test, & Evaluation	**259,505**	**229,850**	**6,500**	**236,350**	**853,333**		**853,333**
Summary Recap of FYDP Programs							
General Purpose Forces	7,165	8,013	6,500	14,513	585,436		585,436
Intelligence and Communications	12,508	14,398		14,398	67,007		67,007
Research and Development	111,672	109,136		109,136	110,466		110,466
Training Medical and Other	128,160	98,303		98,303	90,424		90,424
Total Research, Development, Test, & Evaluation	**259,505**	**229,850**	**6,500**	**236,350**	**853,333**		**853,333**

Defense-Wide
FY 2027 President's Budget
Exhibit R-1
Total Obligational Authority
(Dollars in Thousands)

Apr 2026

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Defense-Wide
FY 2027 President's Budget
Exhibit R-1
Total Obligational Authority
(Dollars in Thousands)

Apr 2026

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The Joint Staff	259,505	229,850	6,500	236,350	853,333		853,333
Total Research, Development, Test and Evaluation, Defense-Wide	**259,505**	**229,850**	**6,500**	**236,350**	**853,333**		**853,333**

Defense-Wide
FY 2027 President's Budget
Exhibit R-1
Total Obligational Authority
(Dollars in Thousands)

Apr 2026

Appropriation: 0400D Research, Development, Test and Evaluation, Defense-Wide

Line No	Program Element Number	Item	Act	Sec	FY 2025 Actuals	FY 2026 Discretionary Enacted	FY 2026 PL 119-21 Spend Plan	FY 2026 Total	FY 2027 Discretionary Request	FY 2027 Mandatory Request
112	0604331J	Rapid Prototyping Program	04	U	7,429					
124	0604826J	Joint C5 Capability Development, Integration and interoperability Assessments	04	U	28,897	25,706		25,706	28,314	
	Advanced Component Development and Prototypes				**36,326**	**25,706**		**25,706**	**28,314**	
162	0205401JCA	Counter - Small Unmanned Aircraft Systems (JIATF-401)	05	U			6,500	6,500	580,348	
	System development and demonstration						**6,500**	**6,500**	**580,348**	
168	0603829J	Joint Capability Experimentation	06	U	11,926	13,724		13,724	12,332	
177	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	U	63,420	69,706		69,706	69,820	
215	0204571J	Joint Staff Analytical Support	06	U	7,165	8,013		8,013	5,088	
222	0305248J	Joint Staff Office of the Chief Data Officer (OCDO) Activities	06	U	12,508	14,398		14,398	67,007	
223	0804768J	COCOM Exercise Engagement and Training Transformation (CE2T2) - non-MHA	06	U	128,160	98,303		98,303	90,424	
	Management support				**223,179**	**204,144**		**204,144**	**244,671**	
Total Research, Development, Test and Evaluation, Defense-Wide					**259,505**	**229,850**	**6,500**	**236,350**	**853,333**	

Defense-Wide
FY 2027 President's Budget
Exhibit R-1
Total Obligational Authority
(Dollars in Thousands)

Apr 2026

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112	0604331J	Rapid Prototyping Program	04	U	
124	0604826J	Joint C5 Capability Development, Integration and interoperability Assessments	04	U	28,314
	Advanced Component Development and Prototypes				**28,314**
162	0205401JCA	Counter - Small Unmanned Aircraft Systems (JIATF-401)	05	U	580,348
	System development and demonstration				**580,348**
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	Management support				**244,671**
Total Research, Development, Test and Evaluation, Defense-Wide					**853,333**

The Joint Staff
FY 2027 President's Budget
Exhibit R-1
Total Obligational Authority
(Dollars in Thousands)

Apr 2026

Appropriation: 0400D Research, Development, Test and Evaluation, Defense-Wide

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222	0305248J	Joint Staff Office of the Chief Data Officer (OCDO) Activities	06	U	12,508	14,398		14,398	67,007	
223	0804768J	COCOM Exercise Engagement and Training Transformation (CE2T2) - non-MHA	06	U	128,160	98,303		98,303	90,424	
	Management support				**223,179**	**204,144**		**204,144**	**244,671**	
Total The Joint Staff					**259,505**	**229,850**	**6,500**	**236,350**	**853,333**	

The Joint Staff
FY 2027 President's Budget
Exhibit R-1
Total Obligational Authority
(Dollars in Thousands)

Apr 2026

Appropriation: 0400D Research, Development, Test and Evaluation, Defense-Wide

Line No	Program Element Number	Item	Act	Sec	FY 2027 Total
112	0604331J	Rapid Prototyping Program	04	U	
124	0604826J	Joint C5 Capability Development, Integration and interoperability Assessments	04	U	28,314
	Advanced Component Development and Prototypes				**28,314**
162	0205401JCA	Counter - Small Unmanned Aircraft Systems (JIATF-401)	05	U	580,348
	System development and demonstration				**580,348**
168	0603829J	Joint Capability Experimentation	06	U	12,332
177	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	U	69,820
215	0204571J	Joint Staff Analytical Support	06	U	5,088
222	0305248J	Joint Staff Office of the Chief Data Officer (OCDO) Activities	06	U	67,007
223	0804768J	COCOM Exercise Engagement and Training Transformation (CE2T2) - non-MHA	06	U	90,424
	Management support				**244,671**
Total The Joint Staff					**853,333**

Program Element Table of Contents (by Budget Activity then Line Item Number)

Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Line #	Budget Activity	Program Element Number	Program Element Title	Page
124	04	0604826J	Joint C5 Capability Development, Integration, and Interoperability Assessments	Volume 5 - 1

Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Line #	Budget Activity	Program Element Number	Program Element Title	Page
162	05	0205401JCA	Counter - Small Unmanned Aircraft Systems	Volume 5 - 31

Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Line #	Budget Activity	Program Element Number	Program Element Title	Page
168	06	0603829J	Joint Capability Experimentation	Volume 5 - 39
177	06	0605126J	Joint Integrated Air & Missile Defense Organization (JIAMDO)	Volume 5 - 43
215	06	0204571J	Joint Staff Analytical Support	Volume 5 - 55

Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

Line #	Budget Activity	Program Element Number	Program Element Title	Page
222	06	0305248J	Joint Staff Office of the Chief Digital and Artificial Intelligence Officer	Volume 5 - 59
223	06	0804768J	Joint Training, Exercise and Evaluation Program (JTEEP)	Volume 5 - 65

Program Element Table of Contents (Alphabetically by Program Element Title)

Program Element Title	Program Element Number	Line #	BA	Page
Counter - Small Unmanned Aircraft Systems	0205401JCA	162	05	Volume 5 - 31
Joint C5 Capability Development, Integration, and Interoperability Assessments	0604826J	124	04	Volume 5 - 1
Joint Capability Experimentation	0603829J	168	06	Volume 5 - 39
Joint Integrated Air & Missile Defense Organization (JIAMDO)	0605126J	177	06	Volume 5 - 43
Joint Staff Analytical Support	0204571J	215	06	Volume 5 - 55
Joint Staff Office of the Chief Digital and Artificial Intelligence Officer	0305248J	222	06	Volume 5 - 59
Joint Training, Exercise and Evaluation Program (JTEEP)	0804768J	223	06	Volume 5 - 65

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Executive Summary for
Research, Development, Test & Evaluation, Defense-Wide
The Joint Staff

Table 1: Funding Overview

	FY 2025 ($K)	FY 2026 ($K)	FY 2027 ($K)
Discretionary	$259,505	$229,850	$853,333
Mandatory	$0	$6,500	$0
Total	**$259,505**	**$236,350**	**$853,333**

Table 2: Detailed Mandatory Breakout

BLI	Reconciliation Bin Title	FY 2025 ($K)	FY 2026 ($K)	FY 2027 ($K)
0205401JCA	Munitions	$0	$6,500	$0
Mandatory Total		**$0**	**$6,500**	**$0**

MANDATORY FUNDING JUSTIFICATION: The FY 2027 request for Research, Development, Test & Evaluation, Defense-Wide for The Joint Staff includes $853,333 thousand of discretionary and $0 thousand of mandatory for a total of $853,000 thousand.

Munitions

The mandatory funds support the C-sUAS Domestic Shield effort (formerly Replicator 2) for the DoW, led by the JIATF 401. RDTE funds ($6,500 thousand) will support Low Collateral Defeat capability development in coordination with Defense Innovation Unit (DIU).

The FY 2026 spend plan amount for Research, Development, Test & Evaluation, Defense-Wide for The Joint Staff includes $229,850 thousand of discretionary and $6,500 thousand of mandatory (reconciliation) for a total of $236,350 thousand.

The FY 2025 spend plan amount for Research, Development, Test & Evaluation, Defense-Wide for The Joint Staff includes $259,505 thousand of discretionary and $0 thousand of mandatory (reconciliation) for a total of $259,505.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff	Date: April 2026
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 Program Element (Number/Name)** PE 0604826J *I Joint C5 Capability Development, Integration, and Interoperability Asses sments*

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	194.209	28.897	25.706	28.314	-	28.314	29.647	31.753	32.961	33.624	Continuing	Continuing
001: *C5 Assessments and Analyses*	91.347	8.512	7.459	7.887	-	7.887	8.318	8.822	9.360	9.593	Continuing	Continuing
002: *C5 Capability Development*	60.746	16.172	14.516	14.836	-	14.836	15.565	17.130	17.501	17.792	Continuing	Continuing
003: *Joint Fires C2 Interoperability*	42.116	4.213	3.731	4.091	-	4.091	4.264	4.301	4.600	4.709	Continuing	Continuing
004: *Joint Fires Qualification Course (JAFQC)*	0.000	-	-	1.500	-	1.500	1.500	1.500	1.500	1.530	Continuing	Continuing

A. Mission Description and Budget Item Justification

Joint C5 Capability Development, Integration, and Interoperability Assessments program leads Command, Control, Communications, Computers, and Cyber (C5) assessments, analyses, capability development, and Joint Fires Command and Control (C2) interoperability efforts required to achieve an effective, integrated, and interoperable combined joint force. Efforts include C5 requirements determination, architectures development and integration, data and standards, integration, Allies and coalition integration and interoperability assessments, and Joint Fires C2 interoperability coordinating firepower compatibility.

The Joint Staff leads the Department of War's effort to develop and integrate the Combined Joint All-Domain Command and Control (CJADC2) across the Department. The Joint C5 program is the Joint Staff focal point for this responsibility. Its projects provide the research, analysis, and execution needed to make the CJADC2 strategy a reality.

B. Program Change Summary ($ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	28.897	25.889	0.000	-	0.000
Current President's Budget	28.897	25.706	28.314	-	28.314
Total Adjustments	0.000	-0.183	28.314	-	28.314
• Congressional General Reductions	-	-0.183			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-	-	26.814	-	26.814
• Realignment from PE 0204571J	-	-	1.500	-	1.500

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff	Date: April 2026
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 Program Element (Number/Name)** PE 0604826J *I Joint C5 Capability Development, Integration, and Interoperability Assessments*

Change Summary Explanation

The FY 2026 President's Budget submission did not include FY 2027 funding projections. Therefore, no comparison between budget positions is available for FY 2027.

The FY 2027 budget realigns $1.500M from PE 0204571J (Joint Staff Analytical Support) to PE 0604826J (Joint C5 Capability Development, Integration, and Interoperability) to address critical operation need for all domain fires and effects at the operational level. J-6 is responsible for the Joint Fires mission.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 001 / *C5 Assessments and Analyses*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
001: *C5 Assessments and Analyses*	91.347	8.512	7.459	7.887	-	7.887	8.318	8.822	9.360	9.593	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project 001 C5 Assessments and Analyses. This project leads analysis and assessment of Combined Joint All-Domain Command and Control (CJADC2) for the Department of War. The findings from this project guide resource allocation and operational decisions to improve warfighter effectiveness and interoperability, with all efforts directly aligned with top priorities of the Chairman of the Joint Chief of Staff, the Secretary of War Analysis Plans, and Combatant Command's CJADC2 priorities and Tier I exercises and experiment activities.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: C5 Assessments and Analyses	8.512	7.459	7.887

Description: Support the Chairman's statutory requirement to advise the Secretary of War (SECWAR) on development of Joint Command, Control, Communications and Cyber (C5) capability, including the design, integration and interoperability of such capabilities through requirements, integrated architectures, data standards and assessments. The staff supports the Chairman's focus area of improving Joint and Combined warfighting capability and the Secretary's line of effort to strengthen alliances and attract new partners. Interoperability is assessed and integrated solutions are developed to improve CJADC2 and C5 system performance by providing recommendations based on operational architectures and evolving standards and data products.

FY 2026 Plans:

This program directly supports National Military Strategy, National Defense Strategy, Joint Warfighting Concept, and Globally Integrated Operations by conducting quantifiable analysis, assessment activities that inform and enhance Joint and Combined warfighter capabilities and interoperability. Provide robust independent technically informed assessments in support of Combined Joint All-Domain Command and Control (CJADC2) and combined Joint C5 capabilities on behalf of the Chairman of the Joint Chiefs of Staff. Analyze CJADC2 Doctrine, Organization, Training, Material, Leadership, Personnel, Facilities and Policy capability development, modernization, & Joint Force fires integration informing Joint resourcing strategy recommendations to prosecute the joint threat & fight. Directly contribute, align, and focus efforts on the Chairman of the Joint Chiefs of Staff and SECWAR Analysis Plan for all joint warfighters. Directly support Department of War (DoW) senior leader policies and programs supporting Combatant Command (CCMD) CJADC2 priorities (Joint Urgent Operational Needs/Joint Emergent Operation Needs/CCMD Integrated Priority Lists, and Service Flagship CJADC2 initiatives. The analysis of supplied assessments informs the progress tracked within CJADC2 Governance and provide data-informed backgrounds for the Integrated Resource Strategy. CJADC2 assessments utilize

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 001 / *C5 Assessments and Analyses*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
actual and replicated operational environments, networks, cloud, and laboratories to conduct capability development, support joint/combined/interagency experimentation, and support critical DoW senior leader decisions impacting future acquisition and overall system performance. Address joint warfighter needs across all domains by conducting activities in rapidly configurable Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance laboratories replicating joint and partner nation combined system of systems operational environments as well as in replicating joint, coalition, and interagency system of systems operational environments as well as in operational venues such as real-world activities, exercises, experiments, and demonstrations. Employ a deployable assessment capability supporting the instrumentation, collection and analysis of decision quality data for joint command, control, and battle management operations at echelon, to include deployed field environments. Projects include: Combined Joint All-Domain Command and Control (CJADC2) Analysis Reporting informing senior leader strategy recommendations, and the feedback mechanisms for the Joint Staff, J6 Command, Control, Communications, Computers, and Cyber (C5), CJADC2 Capability Portfolio Management Reviews process. Projects supported: - Combatant Command (CCMD) and Service Tier 1 assessment activities - Counter-Unmanned Aerial Systems and Counter-Unmanned System Assessments - Coalition Sponsored demonstrations and Exercises - Joint and Coalition sponsored events with Interagency participation - Coalition Interoperability Assurance and Validation Analysis - Strategic Engagement and partnership opportunities with U.S. Academia to enhance Department of War's (DoW's) future in joint warfighter solutions while also increasing the depth and breadth for DoW's future think-tank and recruitment options. Vice Chairman Joint Analysis Plan project alignment, support, and contributions. CJADC2 Demonstration & Assessments Working Group- synchronization of CCMD and Service assessment activities to inform CJADC2 governing bodies. Joint Fires Network Minimum User Assessment Bold Quest (BQ) Coalition Interoperability Demonstrations – Support the design, planning, and execution of international BQ demonstrations that address: close air support, Mission Partner Environment/Federated Mission Networking, Identification, Friend or Foe testing, and cyber effects on operations for U.S. forces and coalition partners, i.e., Coalition Information Environment Initial Operational Capability in the Second Quarter FY 2027, Fully Networked Command and Control Capability demonstrations.			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 001 / *C5 Assessments and Analyses*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
– Enable evaluation of coalition combat network interoperability (e.g. coordinated multi-domain targeting, and Artillery Systems Cooperation Activities) and battle. ***FY 2027 Plans:*** This program directly supports National Military Strategy, National Defense Strategy, Joint Warfighting Concept, and Globally Integrated Operations by conducting quantifiable analysis, assessments activities that inform and enhance Joint, Combined, and interagency warfighter capabilities and interoperability. Provide robust independent technically informed assessments of combined Joint C5 capabilities on behalf of the Chairman of the Joint Chiefs of Staff. Analyze Combined Joint All-Domain Command and Control (CJADC2) Doctrine, Organization, Training, Material, Leadership, Personnel, Facilities and Policy capability development, modernization, & Joint Force fires integration informing Joint resourcing strategy recommendations to prosecute the joint threat & fight. Directly contribute, align, and focus efforts on the CJCS and Secretary of War Analysis Plan for all joint warfighters. Directly support the Department of War Doctrine, Organization, Training, Material, Leadership, Personnel, Facilities and Policy senior leader policies and programs supporting Combatant Command (CCMD) CJADC2 priorities (Joint Urgent Operational Needs/Joint Emergent Operation Needs/CCMD Integrated Priority Lists, and Service Flagship CJADC2 initiatives. CJADC2 assessments utilize actual and replicated operational environments, networks, cloud, and laboratories to conduct capability development, support joint/combined/interagency experimentation, and support critical Department of War senior leader decisions impacting future acquisition and overall system performance. Address joint warfighter needs across all domains by conducting activities in rapidly configurable Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance laboratories replicating joint and partner nation combined system of systems operational environments as well as in replicating joint, coalition, and interagency system of systems operational environments as well as in operational venues such as real-world activities, exercises, experiments, and demonstrations. Employ a deployable assessment capability supporting the instrumentation, collection and analysis of decision quality data for joint command, control, and battle management operations at echelon, to include deployed field environments. Projects include: Combined Joint All-Domain Command and Control (CJADC2) Analysis Reporting informing senior leader strategy recommendations, and the feedback mechanisms for the JS J6 CJADC2 CPMR process. Projects supported: - CCMD and Service Tier 1 assessment activities - Counter-Unmanned Aerial Systems and Counter-Unmanned System Assessments - Coalition Sponsored demonstrations and Exercises - Joint and Coalition sponsored events with Interagency participation. - Coalition Interoperability Assurance & Validation Analysis			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 001 / *C5 Assessments and Analyses*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
- Strategic Engagement and partnership opportunities with U.S. Academia to enhance Department of War's (DoW's) future in joint warfighter solutions while also increasing the depth and breadth for DoW's future think-tank and recruitment options. Vice Chairman Joint Analysis Plan project alignment, support, and contributions. - CJADC2 Demonstration & Assessments Working Group- synchronization of CCMD and Service assessment activities to inform CJADC2 governing bodies. Joint Fires Network Minimum User Assessment Bold Quest (BQ) Coalition Interoperability Demonstrations – Support the design, planning, and execution of international BQ demonstrations that address close air support, Mission Partner Environment/Federated Mission Networking, Identification, Friend or Foe testing, and cyber effects on operations for U.S. forces and coalition partners, i.e., Coalition Information Environment. – Enable evaluation of coalition combat interoperability (e.g. coordinated multi-domain targeting, and Artillery Systems Cooperation Activities) and battle. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** The net increase of $0.428M funding increase is essential to expand the analytical rigor and frequency of assessments focused on the CJADC2.			
Accomplishments/Planned Programs Subtotals	8.512	7.459	7.887

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

Biannual review of Command, Control, Communications, Computers/Cyber resources include an examination of the current and future Budget/Spend Plan, Lines of Effort, Acquisition Strategy and current Execution.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 001 / *C5 Assessments and Analyses*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2025 Cost	FY 2025 Award Date	FY 2026 Cost	FY 2026 Award Date	FY 2027 Base Cost	FY 2027 Base Award Date	FY 2027 OOC Cost	FY 2027 OOC Award Date	FY 2027 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Contract Management and Engineering Technical Services	C/CPFF	Various : Suffolk, Eglin	91.347	8.512		7.459		7.887		-		7.887	Continuing	Continuing	Continuing
		Subtotal	91.347	8.512		7.459		7.887		-		7.887	Continuing	Continuing	N/A

	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	91.347	8.512		7.459		7.887		-		7.887	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 001 / *C5 Assessments and Analyses*

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	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
Joint C5I																												
C5 Assessments and Analyses									[redacted]																			

Exhibit R-4A, RDT&E Schedule Details: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 001 / *C5 Assessments and Analyses*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Joint C5I				
C5 Assessments and Analyses	1	2027	4	2027

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 002 / *C5 Capability Development*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
002: *C5 Capability Development*	60.746	16.172	14.516	14.836	-	14.836	15.565	17.130	17.501	17.792	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project 002 Capability Development. This project functions as the Department of War requirements lead for the joint command and control (C2), cyber, and mission partner environment. It focuses on creating common architectures and data standards to improve data access and interoperability. C5 development enables warfighter access to data sources and improves data interoperability by establishing common command and control (C2) data and standards.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: C5 Capability Development	16.172	14.516	14.836

Description: Lead C2 capability development and integration to achieve an interdependent joint force. Supports Chairman's focus to improve joint warfighter capability and enhance global integration. This will be accomplished through five focus areas: capability development, C5 architectures, data and services, coalition interoperability, and joint experimentation.

FY 2026 Plans:

Capability Development - Provides the Joint Force with analysis and requirements integration support to continuously modernize C2 for the Joint Force to enable Globally Integrated Operations. Through Joint All-Domain Command and Control (CJADC2) Doctrine, Organization, Training, Material, Leadership, Personnel, Facilities and Policy capability requirements identification, verification, prioritization, and management, Joint Staff J6 is the Department of War's (DoW's) capability sponsor for CJADC2 and works with Services, Combatant Commands, and Agencies to identify, synchronize, and plan modernization of Joint C2 solutions through concept development, fielding, and sustainment. Critical activities include analysis and management of C2 capability gaps across the joint force through the annual Capability Gap Analysis Process, continuous CJADC2 capability requirements management as Requirements lead for the integrated DoW-wide Capability Portfolio Management, and an annual Capability Portfolio Management Review. Capability Needs capture database management and analysis. The Joint Staff, J6 oversees an agile requirements validation and traceability process that greatly reduces time for joint capability developers to deliver and integrate and sustain solutions and programs. Additional key activities for J6 include conducting DoW-wide studies on C2, support to integration of emerging command and control joint doctrine, and assisting the DoW, and others with rapidly transitioning capability to Combatant Commands and into Service or Joint programs. Key sponsor for the development and maturity of CJADC2 Portfolio Capability Management tools to support alignment of capabilities to warfighter missions. Leads the Combined Communications-Electronic Boards's Future Working Group to ensure interoperability among the Five Eyes (FVEY) Nations.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 002 / *C5 Capability Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
C5 Architectures - Build upon the successes of prior years to mature and expand C5 Architectures. Continue to lead the delivery of architecture, mission thread, and analysis products to support Chairman's directed focus areas, CJADC2 initiatives, and key programmatic reviews (Integrated Acquisition Portfolio Reviews, Technology Modernization Reviews, Strategic Portfolio Reviews, and Capability Portfolio Reviews). The focus will shift to enterprise-wide implementation, ensuring full compliance and integration. Efforts will concentrate on enhancing and expanding the authoritative repository for architecture and mission thread data, leveraging it as a cornerstone for advanced analysis and data-driven decision-making. This includes maturing capabilities for discovery, accessibility, and reuse to enable seamless integration with North Atlantic Treaty Organization (NATO), Coalition, and FVEY partners' data, building on the established leadership within NATO and FVEY forums. Continue to refine and maintain the Joint Common Service/System Function List and Warfighter Mission Area Architecture Development Standards, actively identifying gaps and opportunities to improve integration and interoperability. In partnership with FVEY members, continue developing mission threads that support the FVEY Strategy to Compete Implementation Plan, focusing on areas of mutual strategic advantage. Data and Standards improves joint and combined warfighter interoperability—enhancing joint force readiness—by developing and maintaining data policies, standards, and governance structures; integrating them into capability requirements; facilitating implementation through rapid prototyping, integration, and evaluation of emerging technologies and data solutions in joint and coalition environments; and providing subject matter expertise to Combatant Commands and Joint Staff J6 divisions to ensure mission priorities are supported with operationally ready, standards-compliant data capabilities. Serve as the Joint Staff Office of Primary Responsibility for the development, coordination, and maintenance of interoperable command and control data exchange, tactical interoperability standards, message text formats, symbology, data management practices, information exchange requirements, tactical data link standards, NATO Standardization Agreements, and related documentation to support joint, interagency, coalition, and mission partner operations. Facilitate Implementation through Rapid Prototyping, Integration, and Evaluation Identify, prioritize, lead, and participate in operational experiments, demonstrations, and technical evaluations to assess warfighter-related data exchanges and tactical interoperability standards across joint, interagency, and coalition communities. Capture lessons learned and provided recommendations to advance C4/cyber data exchange and tactical interoperability standards in support of warfighter requirements.			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 002 / *C5 Capability Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Supports and manages the development and maturity of the CJADC2 Portfolio Capability Management Tool to support CJADC2 and aligned warfighter mission(s). Supports the JCS J6 Joint Assessment Division in the evaluation and conformance of CJADC2 systems, to include Data Interoperability testing among the services and Allied Partners, both North Atlantic Treaty Organization (NATO) and Non-NATO. Establish, Maintain, and support a persistent test environment to direct support: Joint Demonstrations and Exercises, the testing of Data Standards, Data Compliance testing, Data Interoperability testing, and the testing of Data Technologies such as: Fabrics, Meshes, Data Fusion Engines, and AI tools. Generate, Maintain, and Operationalize dynamic Data Models (DMs) of CJADC2, and C2 related, systems to establish a Single-Source of Truth of the current operational state of data interoperability. Coordinate, update, and oversee the integration of complex C2 DMs with: Chairman's Dashboard, CCMDs' operational investments, and collaborate across Joint Staff for integration and maintainability. Coalition Interoperability - Continue to demonstrate and assess Zero Trust and Data Centric Security via virtual machines and cloud to support integration of mission partners beyond FVEYs into and Mission Partner Environment fielded capabilities to support globally integrated operations. Provide planning and technical implementation support of Zero Trust tools with Op High Mast 26 and with NATO to ensure Identity Credentialing Access Management, Attributes Access Control and full data encryption transitions from collaborative services to command-and-control services. Project Olympus-Fires demonstrating data centric security, zero trust and cloud technology enablement per DoW CIO IT Modernization Strategy, "FULCRUM," to improve rapid and secure information sharing and data exchange with mission partners. JS J6 supports the Combined Communications-Electronics Board and its subordinate groups to ensure interoperability among the Five Eyes nations (Canada, New Zealand, Australia, UK, and U.S.). Lead the U.S. C5I Standardization Agreements ratification. Joint Experimentation - Combatant Commands, Services, Agencies and Allies/Coalition partners are provided a laboratory, exercise and assessment venue for the warfighter and capability developer to identify and solve interoperability, integration, and cyber issues. Provide the CJADC2 Joint Demonstration Environment for an integrated wide-area experimental network for the conduct of interoperability assessments and integration activities. Contribute to wargames, exercises and experiments that			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 002 / *C5 Capability Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
explore current and future warfighting with coalition partners to assess and integrate emerging technologies and proven CJADC2 solutions. This effort addresses joint warfighting requirements near, mid, and long-term.			
FY 2027 Plans: Capability Development - Provides the Joint Force with analysis and requirements integration support to continuously modernize C2 for the Joint Force to enable Globally Integrated Operations. Through Joint All-Domain Command and Control Doctrine, Organization, Training, Material, Leadership, Personnel, Facilities and Policy capability requirements identification, verification, prioritization, and management, J6 is DoW's capability sponsor for CJADC2 and works with Services, Combatant Commands, and Agencies to identify, synchronize, and plan modernization of Joint C2 solutions through concept development, fielding, and sustainment. Critical activities include analysis and management of C2 capability gaps across the joint force through the annual Capability Gap Analysis Process, continuous CJADC2 capability requirements management as Requirements lead for the integrated DoW-wide Capability Portfolio Management, and an annual Capability Portfolio Management Review. Capability Needs capture database management and analysis J6 oversees an agile requirements validation and traceability process that greatly reduces time for joint capability developers to deliver and integrate and sustain solutions and programs. Additional key activities for J6 include conducting of DoW-wide studies on C2, support to integration of emerging command and control joint doctrine (ensuring through the CJADC2 requirements management and analysis process for materiel solutions and joint force modernization) and assisting the DoW and others with rapidly transitioning capability to Combatant Commands and into Service or Joint programs. Key sponsor for the development and maturity of CJADC2 Portfolio Capability Management tools to support alignment of capabilities to warfighter missions. Leads the Combined Communications Electronics Board's Future Working Group to ensure interoperability among the Five Eyes Nations. C5 Architectures – Continue production of authoritative mission thread and architecture analysis for Chairman's reviews and J35 readiness reports, focusing on complex, multi-domain scenarios and validating the integration of critical warfighting functions (e.g., Joint Fires, Contested Logistics) into the CJADC2 operational baseline. Mature the architecture repository into an on-demand analytical service for the Joint Staff and partners. Lead the formal assessment in accordance with the Chairman of the Joint Chiefs of Staff Manual 8411.01 Development of Warfighting Mission Area Architectures for implementation, delivering an annual compliance report with data-driven recommendations to refine Warfighter Mission Area standards. As the U.S. lead for North Atlantic Treaty Organization (NATO) and FVEY architecture teams, spearhead joint architecture efforts to validate standards and deliver formal reports on interoperability gaps to guide future coalition investment. Data and Standards - Lead, Manage, and Support the development and sustainment of a Persistent Environment to support Data Operations and Testing for: Interoperability for major experiments and exercises, Data Service Catalog among US, Mission,			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 002 / *C5 Capability Development*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
NATO, and Industry Partners, CJADC2 compliance and readiness assessments, federated space to foster and support research among partners, and testing standards such as: ACP-240, ICAM, and Zero Trust. Coalition Interoperability – Continue to demonstrate and assess Zero Trust and Data Centric Security via virtual machines and cloud to support integration of mission partners beyond FVEYs into and Mission Partner Environment fielded capabilities to support globally integrated operations. Expand the Olympus series to include leave behind operational capabilities that provide data centric security enable rapid and secure mission partner information sharing. As new capabilities are introduced and implemented review and assess the doctrinal, organizational, training, materiel, leadership, personnel, facilities and policy implications required to maximize performance of modernized information sharing capabilities. Integrate improved mission partner information sharing capabilities in Combatant Command and Service component exercise and training events that promote the acceptance and adoption of modernized mission partner information sharing and data exchange capabilities. JS J6 supports the Combined Communications-Electronics Board and its subordinate groups to ensure interoperability among the Five Eyes nations (Canada, New Zealand, Australia, UK, and U.S.). Lead the U.S. C5I Standardization Agreements ratification. Joint Experimentation - Combatant Commands, Services, Agencies and Allies/Coalition partners are provided a laboratory, exercise and assessment venue for the warfighter and capability developer to identify and solve interoperability, integration, and cyber issues. Provide the CJADC2 Joint Demonstration Environment for an integrated wide-area experimental network for the conduct of interoperability assessments and integration activities. Contribute to wargames, exercises and experiments that explore current and future warfighting with coalition partners to assess and integrate emerging technologies and proven CJADC2 solutions. This effort addresses joint warfighting requirements for the near, mid, and long-term. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** The net increase of $0.320M directly support the acceleration of joint warfighter capabilities and ensure the seamless integration of new technologies across the force.			
Accomplishments/Planned Programs Subtotals	16.172	14.516	14.836

C. Other Program Funding Summary ($ in Millions)

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 002 / *C5 Capability Development*

C. Other Program Funding Summary ($ in Millions)

Remarks

D. Acquisition Strategy

Biannual review of Command, Control, Communications, Computers (C4)/Cyber resources include an examination of the current and future Budget/Spend Plan, Lines of Effort, and Acquisition Strategy.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 002 / *C5 Capability Development*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2025 Cost	FY 2025 Award Date	FY 2026 Cost	FY 2026 Award Date	FY 2027 Base Cost	FY 2027 Base Award Date	FY 2027 OOC Cost	FY 2027 OOC Award Date	FY 2027 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Contract Management and Engineering Technical Services	C/CPFF	Various : Suffolk, Eglin	60.746	16.172		14.516		14.836		-		14.836	Continuing	Continuing	Continuing
		Subtotal	60.746	16.172		14.516		14.836		-		14.836	Continuing	Continuing	N/A

	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	60.746	16.172		14.516		14.836		-		14.836	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 002 / *C5 Capability Development*

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	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
C5 Capability Development																												
C5 Capability Development																												

Exhibit R-4A, RDT&E Schedule Details: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 002 / *C5 Capability Development*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
C5 Capability Development				
C5 Capability Development	1	2027	4	2027

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	Project (Number/Name) 003 / *Joint Fires C2 Interoperability*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
003: *Joint Fires C2 Interoperability*	42.116	4.213	3.731	4.091	-	4.091	4.264	4.301	4.600	4.709	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project 003 Joint Fires C2 Interoperability. This project leads interoperability efforts for joint and coalition forces, with a focus on fire support, combat identification, and friendly force tracking at both the operational and tactical levels. It executes high-level action plans in these areas and conducts accreditation visits to U.S. and partner nation training centers to ensure fire support training complies with established standards.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Joint Fires C2 Interoperability	4.213	3.731	4.091

Description: These efforts directly support Chairman, Joint Chiefs of Staff guidance to increase interoperability with allies and partners, to more effectively counter trans-regional threats. Supports Chairman's focus area of improving joint warfighting capability and the Secretary's line of effort to strengthen alliances and attract new partners. Execute Joint Staff-sponsored Bold Quest systems-of-systems interoperability assessment, including integration of cyber capabilities with command and control of conventional and Special Operations Force missions from a multinational perspective at the tactical level. Lead the Joint Fire Support Executive Steering Committee (JFS ESC), composed of Flag/General Officer representatives and supporting staffs from the U.S. Services, Special Operations Command, 30 joint fires international signatories, 22 Bold Quest partner nations, and 6 observer nations. Those observer nations now include Switzerland, Australia, Republic of Korea, Austria, and key Gulf State allies. DoW focal point for combined, global, all-domain, strategic to tactical edge, kinetic and non-kinetic fires and effects, including technical and procedural interoperability, training, and demonstration. Joint Fires Integration Division (JFID) pursues command and control technical programmatic issue resolution and improves joint warfighter capabilities to optimize combat effectiveness and minimize friendly fire and collateral damage. JFID leads two executive steering committees (ESC) to address and resolve joint fires issues: the Joint Fires ESC and the Combat Identification-Friendly Force Tracking ESC. JFID also represents the J-6 at the military targeting committee. These three ESCs cover the entire breadth and depth of the kill chain, including integration of partner nations.

FY 2026 Plans:

Plan and execute Joint Staff-sponsored international Bold Quest capability demonstration and assessment in conjunction with the Global Information Dominance Experiment series, focused on interoperability for joint and coalition fires underpinned by Mission Partner Environment concepts, e.g., Coalition Information Environment. Bold Quest data and assessments inform U.S.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 003 / *Joint Fires C2 Interoperability*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
and Partner Nation investment in multiple capability areas: combat identification, friendly force tracking, digitally aided close air support and fires, integrated air and missile defense (Mode 5 Identification Friend or Foe), coalition intelligence surveillance and reconnaissance, integrated interoperable simulations, and cyber. These efforts directly support the National Military Strategy, the CJCS' global integration objectives and the Combatant Commanders conventional and SOF international engagement programs. Continue leading accreditation visits of current Joint Fire Support Executive Steering Committee (JFS ESC) member programs and provide staff assistance visits for development of close air support-related training and certification programs. Continue leading the Combat Identification-Friendly Force Tracking ESC and JFS ESC to address capability shortfalls/gaps, analyze and recommend integrated joint and coalition solutions to warfighter issues. Expand efforts supporting globally integrated fires analysis, integrating all domain fires effects at speed and scale. ***FY 2027 Plans:*** Plan and execute Joint Staff-sponsored international Bold Quest capability demonstration and assessment in conjunction with the GIDE series, focused on interoperability for joint and coalition fires underpinned by Joint Fires Network, Mission Partner Environment concepts, e.g., Coalition Information Environment. Bold Quest data and assessments inform U.S. and Partner Nation investment in multiple capability areas: combat identification, friendly force tracking, digitally aided close air support and fires, integrated air and missile defense (Identification Friend or Foe Mode 5), coalition intelligence surveillance and reconnaissance, integrated interoperable simulations, and cyber. These efforts directly support the National Military Strategy, the CJCS' global integration objectives and the Combatant Commanders conventional and SOF international engagement programs. Continue leading accreditation visits of current JF ESC member programs and provide staff assistance visits for development of close air support-related training and certification programs. Continue leading the CID-FFT ESC and JFS ESC to address capability shortfalls/gaps, analyze and recommend integrated joint and coalition solutions to warfighter issues. Continue expanding efforts supporting globally integrated fires analysis, integrating all domain fires effects at speed and scale. Delivers solution-focused DoW recommendations and results and implements Action Plans and standardization implementation roadmaps to resolve capability gaps in kinetic and non-kinetic fires and effects, Interdiction, CAS, FFT, and CID mission areas. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** The $0.360M increase is essential to expand scope and modernize command and control fires support to upcoming joint exercises. The funding will support demonstrations that will focus on the integration of new and evolving technologies and cybersecurity measures, train the joint force for complex modern warfare, and improve communications and teamwork among U.S. and partner nations. This investment will enhance military readiness, secure our technological superiority, and strengthen the effectiveness of our coalition forces.			
Accomplishments/Planned Programs Subtotals	4.213	3.731	4.091

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 003 / *Joint Fires C2 Interoperability*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

Biannual review of C4/Cyber resources includes an examination of the current and future Budget/Spend Plan, Lines of Effort and Acquisition Strategy.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 003 / *Joint Fires C2 Interoperability*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2025 Cost	FY 2025 Award Date	FY 2026 Cost	FY 2026 Award Date	FY 2027 Base Cost	FY 2027 Base Award Date	FY 2027 OOC Cost	FY 2027 OOC Award Date	FY 2027 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Contract Management and Engineering Technical Services	C/CPFF	Various : Suffolk, Eglin	42.116	4.213		3.731		4.091		-		4.091	Continuing	Continuing	Continuing
		Subtotal	42.116	4.213		3.731		4.091		-		4.091	Continuing	Continuing	N/A

	Prior Years	FY 2025 Cost	FY 2025 Award Date	FY 2026 Cost	FY 2026 Award Date	FY 2027 Base Cost	FY 2027 Base Award Date	FY 2027 OOC Cost	FY 2027 OOC Award Date	FY 2027 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	42.116	4.213		3.731		4.091		-		4.091	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 003 / *Joint Fires C2 Interoperability*

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	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
Joint Fires C2 Interoperability																												
Joint Fires C2 Interoperability									[redacted]																			

Exhibit R-4A, RDT&E Schedule Details: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 003 / *Joint Fires C2 Interoperability*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Joint Fires C2 Interoperability				
Joint Fires C2 Interoperability	1	2027	4	2027

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	Project (Number/Name) 004 / *Joint Fires Qualification Course (JAFQC)*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
004: *Joint Fires Qualification Course (JAFQC)*	0.000	-	-	1.500	-	1.500	1.500	1.500	1.500	1.530	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project 004 Joint Fires Qualification Course (JAFQC). The program leads the efforts in the development, stand-up and execution for the JAFQ-C as the Office of Collateral Responsibility for an initiative in the Office of the Under Secretary of War (Personnel and Readiness). JAFQC will deliver qualified specialist for operational level, all-domain joint fires to address the Joint Warfighter Concept issues for Combatant Commands, Joint Task Forces and Components supporting Joint Fires Elements.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Joint Advanced Fires Qualification Course (JAFQC)	-	-	1.500
Description: These efforts directly support Chairman, Joint Chiefs of Staff (CJCS) guidance to serve as Lead Agent for the JAFQC to produce graduates capable of integrating all-domain strategic and operational kinetic and non-kinetic fires and effects, assisting joint force commanders in utilizing authorities, priorities, timing, and effects from space to seabed. JFID, on behalf of the JF ESC, utilizes authorities provided by the Military Training ESG to ensure training based on approved standards. JFID executes supervisory oversight to develop this federated course incorporating expertise, facilities, and existing exercises from four federated Service sites: Hurlburt Field, FL, Fort Sill, OK, Schriever Space Force Base, CO, and Naval Air Station Fallon, NV. The Military Training Executive Steering Group chaired by Office of the Under Secretary of War (Personnel and Readiness) and Joint Staff, J7 Directorate for Joint Force Development coordinated efforts with the JFS ESC as Office of Primary Responsibility to execute this new course. JAFQC provides training and education capability to apply all-domain skillsets at the operational level.			
FY 2027 Plans: Continue FY 2026 efforts including: Plan and execute initial JAFQ beta course with new instructors/cadre. Focus on curriculum development, class layout and federated site coordination. Deliver qualified specialists proficient in the planning, coordination, and execution of combined and Joint, all-domain Fires and Effects for assignment to operational-level joint fires coordination elements to enhance CCMD C2 of joint fires/effects to lead, plan, execute, and assess at the operational level of war. These efforts directly support the National Military Strategy, the CJCS' global integration objectives and the Combatant Commanders conventional and SOF international engagement programs.			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 004 / *Joint Fires Qualification Course (JAFQC)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Execute initial JAFQ course with new instructors/cadre aligned with two courses/year producing 30-40 advanced fires experts across all-domains. Continued focus on curriculum development and federated site coordination. Deliver qualified specialists proficient in the planning, coordination, and execution of combined and Joint, all-domain Fires and Effects for assignment to operational-level joint fires coordination elements to enhance CCMD C2 of joint fires/effects to lead, plan, execute, and assess at the operational level of war. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Realigns the Joint Advanced Fires Qualification Course (JAFQ-C) from PE 0204571J (Joint Staff Analytical Support) to PE 0604826J (Joint C5 Capability Development, Integration, and Interoperability) to address critical operation need for all domain fires and effects at the operational level. J-6 is responsible for the Joint Fires mission.			
Accomplishments/Planned Programs Subtotals	-	-	1.500

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 004 / *Joint Fires Qualification Course (JAFQC)*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2025 Cost	FY 2025 Award Date	FY 2026 Cost	FY 2026 Award Date	FY 2027 Base Cost	FY 2027 Base Award Date	FY 2027 OOC Cost	FY 2027 OOC Award Date	FY 2027 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Contract Management and Engineering Technical Services	C/CPFF	Joint Fires : Various: Suffolk, Hurlburt AFB	-	-		-		1.500		-		1.500	Continuing	Continuing	Continuing
		Subtotal	-	-		-		1.500		-		1.500	Continuing	Continuing	N/A

	Prior Years	FY 2025 Cost	FY 2025 Award Date	FY 2026 Cost	FY 2026 Award Date	FY 2027 Base Cost	FY 2027 Base Award Date	FY 2027 OOC Cost	FY 2027 OOC Award Date	FY 2027 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		-		1.500		-		1.500	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 004 / *Joint Fires Qualification Course (JAFQC)*

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	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
Joint Advanced Fires Qualification Course (JAFQC)																												
Joint Advanced Fires Qualification Course (JAFQC)									[redacted]																			

Exhibit R-4A, RDT&E Schedule Details: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 4	**R-1 Program Element (Number/Name)** PE 0604826J / *Joint C5 Capability Development, Integration, and Interoperability Assessments*	**Project (Number/Name)** 004 / *Joint Fires Qualification Course (JAFQC)*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Joint Advanced Fires Qualification Course (JAFQC)				
Joint Advanced Fires Qualification Course (JAFQC)	1	2027	4	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff	Date: April 2026
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0205401JCA / *Counter - Small Unmanned Aircraft Systems*

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	580.348	-	580.348	580.541	581.310	101.411	102.425	Continuing	Continuing
001: *C-SUAS Joint New Capabilities*	0.000	-	0.000	580.348	-	580.348	580.541	581.310	101.411	102.425	Continuing	Continuing

A. Mission Description and Budget Item Justification

The FY 2026 spend plan amount for Research, Development, Test & Evaluation (RDT&E) - Counter - Small Unmanned Aircraft Systems includes $0 thousand of discretionary and $6,500 thousand of mandatory (reconciliation) for a total of $6,500 thousand.

The Joint Interagency Task Force 401 (JIATF 401) is the Department of War (DoW) lead organization to counter small Unmanned Aerial Systems (C-sUAS). JIATF 401 synchronizes C-UAS efforts across the DoW to rapidly deliver joint capabilities at scale to defend the homeland, protect US and allied forces, defend critical infrastructure, and assist federal agencies. The task force has a global focus and is a multifaceted organization leading DoW C-sUAS activities at the nexus of the Office of the Secretary of War (OSW), the Joint Staff, Combatant Commands, and the Services. The JIATF 401 is innovative, scalable, and threat adaptive. We have one measure of effectiveness: quickly deliver state of the art C-sUAS capability to the warfighter at home and abroad. The Secretary of War (SecWar) designated the Secretary of the Army (SA) as the DoW's Executive Agent (EA) for C-sUAS and aligned the JIATF 401 as a Chairmans Controlled Activity (CCA) in the Joint Staff. The EA holds the acquisition and procurement authority and oversight for the JIATF 401 efforts.

The C-sUAS System Development and Demonstration efforts are focused on the rapid identification, development, testing, evaluation, and integration of advance prototyped technologies to defeat sUAS threats. The efforts, through operational assessments, provide warfighters the ability to comprehensively detect, track, identify, and defeat threat Group 1, 2 and 3 UAS platforms. These joint development efforts will provide rapidly integrated solutions to meet the needs of the Military Services and DoW Agencies against current and emerging threats.

B. Program Change Summary ($ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	580.348	-	580.348
Total Adjustments	0.000	0.000	580.348	-	580.348
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Increase	-	-	580.348	-	580.348

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff	Date: April 2026
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0205401JCA / *Counter - Small Unmanned Aircraft Systems*

Change Summary Explanation

Increase to stand up the JIATF-401 under the Joint Staff per the SecWar signed Establishment of JIATF 401 memo in August 2025.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0205401JCA / *Counter - Small Unmanned Aircraft Systems*	Project (Number/Name) 001 / *C-SUAS Joint New Capabilities*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
001: *C-SUAS Joint New Capabilities*	0.000	-	0.000	580.348	-	580.348	580.541	581.310	101.411	102.425	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Counter-small Unmanned Aircraft Systems (C-sUAS) efforts will demonstrate and support advance prototype efforts with technologies and concepts to enable and/or accelerate their transition to acquisition programs. The efforts will address technical gaps between initial technologies or concept development and quickly transition to warfighter capabilities. Efforts will explore new concepts and their applications in potential future operating environments within a systems-of-systems context. These joint advanced prototyping efforts will inform future requirements and support Military Services' acquisition strategy planning to address the evolving s-UAS threats and new environments to which C-sUAS must be deployed.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: C-sUAS Prototyping New Joint Capabilities	-	-	580.348
Description: Execute testing, demonstrations, and operational assessments of new C-sUAS technology to explore new concepts, new applications of existing systems, and new industry technologies. New concepts and technologies demonstrations will address future capability gaps to maintain pace with evolving current & threats and employment environments.			
FY 2027 Plans: JIATF 401 will pursue the acceleration of a layered defeat portfolio, including options to ensure the protection of critical assets across diverse operational environments. Our approach is system-agnostic, focused on identifying and integrating the most effective capabilities to meet operational needs by addressing each stage of the kill chain, rather than committing to specific platforms or vendors. To maintain tactical overmatch against evolving threats, FY 2027 funding will focus on the following areas: Rapid Development & Acceleration – Supports the rapid development of C-sUAS defeat options to ensure protection across diverse operational environments. Advanced Tech Assessments - Supports the rapid operational assessment of commercial technologies and the "lab-to-field" pipeline. Critical for testing C-sUAS systems against emerging threats prior to procurement. Tactical C2 & Architecture Integration - Supports the software development and systems engineering required to establish common air domain awareness. Supports the system-agnostic integration of advanced decision aids.			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 5	**R-1 Program Element (Number/Name)** PE 0205401JCA / *Counter - Small Unmanned Aircraft Systems*	**Project (Number/Name)** 001 / *C-SUAS Joint New Capabilities*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Common Testing, Demonstrations & Joint Exercises - Supports DoW-wide C-sUAS exercises, testing, and demonstrations of emerging prototypes, integration of sensors, common tactical C2, and effectors to ensure seamless, accelerated reaction times across the entire kill chain. Leverages commercially available, system-agnostic technologies and advanced decision aids to validate mission-ready capabilities against emerging threats. Supports executing large-scale exercises to ensure C-sUAS solutions are fully interoperable across DoW components and established common air domain architectures. Funds will be executed on JIATF 401 priorities and emerging trends. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Increase from FY 2026 to FY 2027 reflects the additional resourcing by the DoW to support the establishment of the JIATF 401.			
Accomplishments/Planned Programs Subtotals	-	-	580.348

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 5	**R-1 Program Element (Number/Name)** PE 0205401JCA / *Counter - Small Unmanned Aircraft Systems*	**Project (Number/Name)** 001 / *C-SUAS Joint New Capabilities*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2025 Cost	FY 2025 Award Date	FY 2026 Cost	FY 2026 Award Date	FY 2027 Base Cost	FY 2027 Base Award Date	FY 2027 OOC Cost	FY 2027 OOC Award Date	FY 2027 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Various	C/CPFF	Various : Various	-	-		-		580.348		-		580.348	Continuing	Continuing	-
		Subtotal	-	-		-		580.348		-		580.348	Continuing	Continuing	N/A

Remarks

Various development efforts at multiple locations.

	Prior Years	FY 2025		FY 2026		FY 2027 Base		FY 2027 OOC		FY 2027 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		-		580.348		-		580.348	Continuing	Continuing	N/A

Remarks

Various

Exhibit R-4, RDT&E Schedule Profile: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 5	**R-1 Program Element (Number/Name)** PE 0205401JCA / *Counter - Small Unmanned Aircraft Systems*	**Project (Number/Name)** 001 / *C-SUAS Joint New Capabilities*

	FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FY 2030				FY 2031			
	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
Various																												
Various									[redacted]																			

Exhibit R-4A, RDT&E Schedule Details: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 5	**R-1 Program Element (Number/Name)** PE 0205401JCA / *Counter - Small Unmanned Aircraft Systems*	**Project (Number/Name)** 001 / *C-SUAS Joint New Capabilities*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Various				
Various	1	2027	4	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff											Date: April 2026	
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*					R-1 Program Element (Number/Name) PE 0603829J *I Joint Capability Experimentation*							
COST ($ in Millions)	**Prior Years**	**FY 2025**	**FY 2026**	**FY 2027 Base**	**FY 2027 OOC**	**FY 2027 Total**	**FY 2028**	**FY 2029**	**FY 2030**	**FY 2031**	**Cost To Complete**	**Total Cost**
Total Program Element	54.092	11.926	13.724	12.332	-	12.332	11.106	11.184	10.967	11.190	Continuing	Continuing
001: *Joint Capability Experimentation*	54.092	11.926	13.724	12.332	-	12.332	11.106	11.184	10.967	11.190	Continuing	Continuing

A. Mission Description and Budget Item Justification

The FY 2019 National Defense Authorization Act (NDAA) included as one of the Chairman's responsibilities to address experimentation on future concepts. Rigorous experimentation takes place on concepts to ensure Department investments adequately address future requirements as well as those of today. Accordingly, the Joint Staff requires an experimentation capability to analyze and validate priority joint concept required capabilities. The Joint Staff leads, plans, and executes the Global Integrated Wargame (GIWG) events to examine the Joint Warfighting Concept (JWC) operational logic and identified gaps to support delivery of an evaluated concept to the Secretary of War.

Concept analysis and validation have a multi-faceted nature to meet the Chairman's Title 10 responsibility of, "identifying new joint military capabilities based on advances in technology and concepts of operation, and recommending investments and experiments in such capabilities." Wargames assess baseline missions and campaign level outcomes of the concepts as well as identify tradespace for potential new capabilities. This tradespace of capabilities is further explored with quantitative models and software that identify the most efficient cost and capability tradeoffs to help meet the Title 10 responsibility of "advising the Secretary on new and alternative joint military capabilities, and alternative program recommendations and budget proposals, within projected resource levels."

The Joint Staff approach to tradespace exploration provides a cost conscious and operationally relevant prioritization tradeoff technique early in the portfolio design process. Using this rigorous prioritization approach, the capability development cycle can efficiently focus resources on more detailed experimentation of specific capabilities to inform the requirements process. The analysis from the experimentation program will be used to provide foundational evidence to directly inform the Joint Military Net Assessment (JMNA), the Chairman's Program Recommendation (CPR), and ultimately the Defense Planning Guidance for Joint Force development.

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff					Date: April 2026
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*			R-1 Program Element (Number/Name) PE 0603829J *I Joint Capability Experimentation*		
B. Program Change Summary ($ in Millions)	**FY 2025**	**FY 2026**	**FY 2027 Base**	**FY 2027 OOC**	**FY 2027 Total**
Previous President's Budget	11.926	13.822	0.000	-	0.000
Current President's Budget	11.926	13.724	12.332	-	12.332
Total Adjustments	0.000	-0.098	12.332	-	12.332
• Congressional General Reductions	-	-0.098			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-	-	12.332	-	12.332

Change Summary Explanation

The FY 2026 President's Budget submission did not include FY 2027 funding projections. Therefore, no comparison between budget positions is available for FY 2027.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0603829J / *Joint Capability Experimentation*	Project (Number/Name) 001 / *Joint Capability Experimentation*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
001: *Joint Capability Experimentation*	54.092	11.926	13.724	12.332	-	12.332	11.106	11.184	10.967	11.190	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The National Defense Authorization Act (NDAA) documents the Chairman's responsibilities to include experimentation on future concepts. Rigorous experimentation on concepts are a means to ensure Department investments adequately address future requirements, not just near term. Given this, the Joint Staff established an experimentation capability suitable for analysis and validation of priority joint concept required capabilities. This allows the Chairman to identify cost efficient and effective capability tradeoffs. This capability enables the Chairman to fulfill his Title 10 responsibility, "advising the Secretary on new and alternative joint military capabilities, and alternative program recommendations and budget proposals, within projected resource levels." This capability more fully supports the Chairman's production of the Joint Military Needs Assessment (JMNA), the Chairman's Program Recommendation (CPR) and ultimately the Defense Planning Guidance for Joint Force development. This PE funds the Joint Staff J7 Joint Experimentation and Concept Integration (JE&CI) five main Advanced Technologies efforts; 1) Globally Integrated Wargames - Advanced Technologies (GIWG –AT), 2) Executing events related to the Campaign Approach to Joint Experimentation such as the Joint Experimentation Forum (JEF) and force design and development events supporting the Joint Warfighting Concept, Joint Fires, Joint Logistics, and Joint Command & Control. (3) Developing the Joint Experimentation Network - Advanced Technologies (JExNet AT) database across federated knowledge platforms, networks, experimentation activities, and various learning events to enable Joint Warfighting Concept. (4) Integrating experimentation with mature capabilities into Elite Constellation events providing a unique opportunity to expose joint warfighters to emerging technologies and develop new innovative concepts of operation. (5) Implementing the Joint Concept for Competing (JCC)is support of the Joint Warfighting Concept. The JCC is a Secretary of War approved conceptual framework that builds the future Joint Force required to realize the 2026 National Defense Strategy (NDS).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Joint Capability Experimentation	11.926	13.724	12.332
Description: The NDAA documents the Chairman's responsibilities to address experimentation on future concepts. Vigorous experimentation ensures department investments are adequately addressing future requirements as well as those today. The project delivers analytically rigorous, resource-conscious and operationally-validated portfolio investment strategies for the CJCS to ensure an enduring competitive advantage.			
FY 2026 Plans: Execute joint experimentation and wargaming focused on Joint Force Development (JFD) that enhances the capability of the Joint Staff to provide the Chairman with sound analysis of the future environment, concepts, and joint capabilities. Funds support five main efforts: (1) design, execution and analysis in support of the Globally Integrated Wargame Series. (2) Executing events related to the Campaign Approach to Joint Experimentation such as the Joint Experimentation Forum (JEF) and force design			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0603829J / *Joint Capability Experimentation*	**Project (Number/Name)** 001 / *Joint Capability Experimentation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
and development events supporting the Joint Warfighting Concept, Joint Fires, Joint Logistics, and Joint Command & Control. (3) Developing the Joint Experimentation Network - Advanced Technologies (JExNet AT) database across federated knowledge platforms, networks, experimentation activities, and various learning events to enable Joint Warfighting Concept. (4) Integrating experimentation with mature capabilities into Elite Constellation events providing a unique opportunity to expose joint warfighters to emerging technologies and develop new innovative concepts of operation. (5) Implementing the Joint Concept for Competing (JCC) in support of the Joint Warfighting Concept. The JCC is a Secretary of War approved conceptual framework that builds the future Joint Force required to realize the 2025 Interim National Defense Strategic Guidance. ***FY 2027 Plans:*** Continue the FY 2026 plans. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Reduces contracts for Advisory and Assistance Services to promote efficiencies and advance the policies of the Administration in alignment with Executive Order 14222, “Implementing the President’s Department of Government Efficiency Cost Efficiency Initiative.”			
Accomplishments/Planned Programs Subtotals	11.926	13.724	12.332

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff											Date: April 2026	
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*					R-1 Program Element (Number/Name) PE 0605126J *I Joint Integrated Air & Missile Defense Organization (JIAMDO)*							
COST ($ in Millions)	**Prior Years**	**FY 2025**	**FY 2026**	**FY 2027 Base**	**FY 2027 OOC**	**FY 2027 Total**	**FY 2028**	**FY 2029**	**FY 2030**	**FY 2031**	**Cost To Complete**	**Total Cost**
Total Program Element	639.098	63.420	69.706	69.820	-	69.820	68.639	69.552	70.990	72.455	Continuing	Continuing
P001: *Core*	226.555	13.394	15.100	15.602	-	15.602	16.062	17.019	17.375	17.723	-	-
P005: *Nimble Fire*	210.338	27.301	30.262	28.415	-	28.415	26.147	22.478	22.931	23.436	-	-
P006: *Cruise Missile Combat Identification (CID)*	102.479	2.872	4.294	4.684	-	4.684	4.794	5.584	5.701	5.815	-	-
P007: *Homeland Defense Capability*	98.093	19.153	18.606	19.530	-	19.530	19.973	22.560	23.032	23.491	-	-
P008: *Joint Regional Integrated Air and Missile Defense Capabilities Mix (JRICM)*	1.633	0.700	1.444	1.589	-	1.589	1.663	1.911	1.951	1.990	-	-

A. Mission Description and Budget Item Justification

The Joint Integrated Air and Missile Defense Organization (JIAMDO) is the organization within the Department of War chartered to plan, coordinate, and oversee Integrated Air and Missile Defense (IAMD) requirements, joint operational concepts, and operational architectures. As part of the Joint Staff, JIAMDO supports the Chairman in meeting Title 10 responsibilities as they relate to IAMD issues. JIAMDO supports the Joint Requirements Oversight Council (JROC) in its Title 10 U.S. Code 181 authorities as the Joint Staff lead of the IAMD Capability Portfolio Management Review (CPMR) process. JIAMDO is the operational community's proponent for requirements and capabilities in IAMD, and is the joint IAMD proponent within the DoW's resource allocation structures. JIAMDO also leads IAMD mission and utility analysis, integrates IAMD within the force protection joint capability area, conducts evaluations, demonstrations of joint IAMD architectures, and provides advocacy for innovative, technically mature, and affordable solutions. JIAMDO executes these duties for major efforts within the Department, such as the Golden Dome for America and the Guam Defense System.

JIAMDO has established a close partnership with Combatant Commands (CCMDs) and maintains close coordination with U.S. Space Command (USSPACECOM), U.S. Strategic Command (USSTRATCOM), U.S. Northern Command (USNORTHCOM), and U.S. Indo Pacific Command (USINDOPACOM) in support of ballistic, cruise, and hypersonic missile defense of the United States. JIAMDO provides the CJCS and the Joint Requirements Oversight Council the ability to meet statutory responsibilities to review cost, schedule, and performance criteria of Missile Defense Agency missile defense programs and assesses the validity of those criteria in relation to national and military requirements. At the direction of the JROC, JIAMDO develops the joint IAMD portfolio priority list, Nimble Fire exercises, Joint Regional IAMD Capability Mix studies, and operational analysis of the Missile Defense System. JIAMDO supports USSPACECOM and USSTRATCOM ballistic missile early warning mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO also provides direct support to North American Aerospace Defense Command and USNORTHCOM for homeland air and cruise missile surveillance issues and technical oversight of homeland capability solutions.

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff					Date: April 2026
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*			R-1 Program Element (Number/Name) PE 0605126J *I Joint Integrated Air & Missile Defense Organization (JIAMDO)*		
B. Program Change Summary ($ in Millions)	**FY 2025**	**FY 2026**	**FY 2027 Base**	**FY 2027 OOC**	**FY 2027 Total**
Previous President's Budget	63.420	78.057	0.000	-	0.000
Current President's Budget	63.420	69.706	69.820	-	69.820
Total Adjustments	0.000	-8.351	69.820	-	69.820
• Congressional General Reductions	-	-0.551			
• Congressional Directed Reductions	-	-7.800			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-	-	69.820	-	69.820

Change Summary Explanation

The FY 2026 President's Budget submission did not include FY 2027 funding projections. Therefore, no comparison between budget positions is available for FY 2027.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605126J / *Joint Integrated Air & Missile Defense Organization (JIAMDO)*	Project (Number/Name) P001 / *Core*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
P001: *Core*	226.555	13.394	15.100	15.602	-	15.602	16.062	17.019	17.375	17.723	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Integrated Air and Missile Defense Organization (JIAMDO) is chartered to plan, coordinate, and oversee Integrated Air and Missile Defense (IAMD) requirements, concepts, and architectures. As part of the Joint Staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to IAMD issues. JIAMDO supports the Joint Requirements Oversight Council (JROC) in its Title 10 U.S. Code 181 authorities as the Joint Staff lead of the IAMD Capability Portfolio Management Review (CPMR) process. JIAMDO is the IAMD proponent for requirements and capabilities within the DoW's resource allocation system. JIAMDO leads IAMD mission and utility analysis, integrates IAMD within the force protection joint capability area, and conducts evaluations of joint IAMD architectures. JIAMDO executes these duties for major efforts within the Department, such as the Golden Dome for America and the Guam Defense System.

JIAMDO has established a close partnership with Combatant Commands (CCMDs) and maintains close coordination with U.S. Strategic Command (USSTRATCOM) U.S. Northern Command (USNORTHCOM), and U.S. Indo Pacific Command (USINDOPACO) in support of ballistic, cruise, and hypersonic missile defense of the United States. JIAMDO provides the CJCS and the Joint Requirements Oversight Council the ability to meet statutory responsibilities to review cost, schedule, and performance criteria of Missile Defense Agency missile defense programs. At the direction of the JROC, JIAMDO develops the joint IAMD portfolio priority list , Nimble Fire exercises, Joint Regional IAMD Capability Mix studies, and operational analysis of the Missile Defense System. JIAMDO supports the USSTRATCOM ballistic missile early warning mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO also provides direct support to North American Aerospace Defense Command and USNORTHCOM for homeland air and cruise missile surveillance issues and homeland defense solutions.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Core	13.394	15.100	15.602
Description: Provides staff support for JIAMDO operations in the area of ballistic missile defense, air and cruise missile defense, hypersonic defense, homeland defense, requirements management, combat identification, modeling and simulation, analytical functions and products, senior level briefings, and all travel costs for government and contractor support personnel. Routine functions include performing analyses, demonstrations, and programmatic assessments of technology, operations, requirements, and weapons systems. In coordination with Services and CCMDs, JIAMDO Core funds the definition, assessment, development, and approval of Joint IAMD operational concepts, operational architectures, IAMD CPMR and capability requirements. These assessments guide the Department's joint, interagency, integrated and net-centric IAMD. JIAMDO Core provides funding to: 1. Conduct and integrate joint studies, simulations, war games, force resource allocation, and interoperability initiatives.			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0605126J / *Joint Integrated Air & Missile Defense Organization (JIAMDO)*	**Project (Number/Name)** P001 / *Core*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
2. Manage relevant Congressional interaction and CCMD interface. 3. Directly support and sponsor homeland air surveillance-related demonstration and analysis activities. 4. Manage the Integrated Air and Missile Defense (IAMD) Working Group, the Operational Forces Standing Committee (OFSC) and co-chair the Protection Functional Capabilities Board focusing CCMD, Joint Staff, and Service collaboration efforts to generate joint concepts and develop the IAMD architecture and roadmap. JIAMDO Core enables strategic planning development, security, travel, and other support activities. Funding pays for: contracted Systems Engineering and Technical Assistance (SETA) support for IAMD CPMR, Air & Cruise Missile Defense (ACMD), Ballistic Missile Defense (BMD), Homeland Air Security (HAS) strategic planning, studies & analysis, combat ID, modeling & simulation. Additionally, the JIAMDO Core budget funds daily on-site security management personnel to meet DoW, National Industrial Security Program Operating Manual (NISPOM), and other security regulations, for all administrative and support functions related to higher security classifications, as well as basic office supplies and furniture, and classified/unclassified data connections. ***FY 2026 Plans:*** Continue to expand efforts to develop joint integrated air and missile defense (IAMD) requirements solutions via the IAMD Capability Portfolio Management Review and the Joint Integrated Air and Missile Defense Portfolio Priority List. Support OSW efforts pertaining to requirements development and fielding of the Golden Dome for America architecture. Execute fully informed tabletop exercise to identify promising capabilities, concepts, and tactics pertaining to implementation of Golden Dome for America. ***FY 2027 Plans:*** Continue FY 2026 plans. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Economic adjustment reflecting increasing costs of equipment and specialized analytical support.			
Accomplishments/Planned Programs Subtotals	13.394	15.100	15.602

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605126J / *Joint Integrated Air & Missile Defense Organization (JIAMDO)*	Project (Number/Name) P005 / *Nimble Fire*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
P005: *Nimble Fire*	210.338	27.301	30.262	28.415	-	28.415	26.147	22.478	22.931	23.436	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Integrated Air and Missile Defense Organization (JIAMDO) is chartered to plan, coordinate, and oversee Integrated Air and Missile Defense (IAMD) requirements, concepts, and architectures. As part of the Joint Staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to IAMD issues. JIAMDO is the IAMD proponent for requirements and capabilities within the DoW's resource allocation system. JIAMDO leads IAMD mission and utility analysis, integrates IAMD within the force protection joint capability area, and conducts evaluations of joint IAMD architectures. JIAMDO executes these duties for major efforts within the Department, such as the Golden Dome for America and the Guam Defense System.

JIAMDO has established a close partnership with Combatant Commands (CCMDs) and maintains close coordination with U.S. Strategic Command (USSTRATCOM) U.S. Northern Command (USNORTHCOM), and U.S. Indo Pacific Command (USINDOPACO) in support of ballistic, cruise, and hypersonic missile defense of the United States. JIAMDO provides the CJCS and the Joint Requirements Oversight Council the ability to meet statutory responsibilities to review cost, schedule, and performance criteria of Missile Defense Agency missile defense programs. At the direction of the JROC, JIAMDO develops the joint IAMD portfolio priority list , Nimble Fire exercises, Joint Regional IAMD Capability Mix studies, and operational analysis of the Missile Defense System. JIAMDO supports the USSTRATCOM ballistic missile early warning mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO also provides direct support to North American Aerospace Defense Command and USNORTHCOM for homeland air and cruise missile surveillance issues and homeland defense solutions.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: JIAMDO Nimble Fire	27.301	30.262	28.415
Description: Nimble Fire is the Department's only IAMD operator-in-the-loop modeling and simulation capability exploring the Chairman's top critical joint IAMD capability gaps. Nimble Fire events generally explore joint IAMD capabilities and concepts in the FYDP plus two timeframes. The events combine experienced operators from the tactical communities, virtual simulations accredited by the program offices, current and future advanced capabilities, an integrated air, ballistic and cruise missile threat, and informed scenarios based on the Department's analytical agenda and CCMD operational plans. JIAMDO brings together stakeholders across the engineering, analytical, and tactical communities to assess Joint interoperability of Service and MDA programs of record, explore concepts of employment, inform tactics, techniques and procedures and concepts of operation, provide insights that help shape CCMD integrated priorities and future operational plans, and inform senior leader acquisition and requirements decisions.			
FY 2026 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0605126J / *Joint Integrated Air & Missile Defense Organization (JIAMDO)*	**Project (Number/Name)** P005 / *Nimble Fire*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Execute two NIMBLE FIRE events as the Department's only joint operator-in-the-loop IAMD exercise in support of Golden Dome for America. Implement multi-domain upgrades to the environment to further incorporate capabilities pertaining to space, attack or offensive operations, cyber effects, electronic warfare and unmanned systems. Continued support to other Service or agency events executing within same venue as NIMBLE FIRE events. ***FY 2027 Plans:*** Continue FY 2026 plans. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Minor programmatic adjustment.			
Accomplishments/Planned Programs Subtotals	27.301	30.262	28.415

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605126J / *Joint Integrated Air & Missile Defense Organization (JIAMDO)*	Project (Number/Name) P006 / *Cruise Missile Combat Identification (CID)*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
P006: *Cruise Missile Combat Identification (CID)*	102.479	2.872	4.294	4.684	-	4.684	4.794	5.584	5.701	5.815	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Integrated Air and Missile Defense Organization (JIAMDO) is chartered to plan, coordinate, and oversee Integrated Air and Missile Defense (IAMD) requirements, concepts, and architectures. As part of the Joint Staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to IAMD issues. JIAMDO is the IAMD proponent for requirements and capabilities within the DoW's resource allocation system. JIAMDO leads IAMD mission and utility analysis, integrates IAMD within the force protection joint capability area, and conducts evaluations of joint IAMD architectures. JIAMDO executes these duties for major efforts within the Department, such as the Golden Dome for America and the Guam Defense System.

JIAMDO has established a close partnership with Combatant Commands (CCMDs) and maintains close coordination with U.S. Strategic Command (USSTRATCOM) U.S. Northern Command (USNORTHCOM), and U.S. Indo Pacific Command (USINDOPACO) in support of ballistic, cruise, and hypersonic missile defense of the United States. JIAMDO provides the CJCS and the Joint Requirements Oversight Council the ability to meet statutory responsibilities to review cost, schedule, and performance criteria of Missile Defense Agency missile defense programs. At the direction of the JROC, JIAMDO develops the joint IAMD portfolio priority list , Nimble Fire exercises, Joint Regional IAMD Capability Mix studies, and operational analysis of the Missile Defense System. JIAMDO supports the USSTRATCOM ballistic missile early warning mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO also provides direct support to North American Aerospace Defense Command and USNORTHCOM for homeland air and cruise missile surveillance issues and homeland defense solutions.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Cruise Missile Combat Identification (CID)	2.872	4.294	4.684
Description: Establishes joint requirements for emerging national and tactical combat identification technology and advocates for fielding CID technology to frontline weapon systems. Monitors, assesses, and enhances current joint air and cruise missile defense combat ID programs.			
FY 2026 Plans: Details of this program are classified and will be provided under a separate cover.			
FY 2027 Plans: Details of this program are classified and will be provided under a separate cover.			
FY 2026 to FY 2027 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0605126J / *Joint Integrated Air & Missile Defense Organization (JIAMDO)*	**Project (Number/Name)** P006 / *Cruise Missile Combat Identification (CID)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Details of this program are classified and will be provided under a separate cover.			
Accomplishments/Planned Programs Subtotals	2.872	4.294	4.684

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605126J / *Joint Integrated Air & Missile Defense Organization (JIAMDO)*	Project (Number/Name) P007 / *Homeland Defense Capability*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
P007: *Homeland Defense Capability*	98.093	19.153	18.606	19.530	-	19.530	19.973	22.560	23.032	23.491	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

A. Mission Description and Budget Item Justification

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Homeland Defense Capability	19.153	18.606	19.530
Description: Develop Homeland Defense Capability. ***FY 2026 Plans:*** Continue to perform technology development efforts. Further details are reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. ***FY 2027 Plans:*** Continue to perform technology development efforts. Further details are reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Further details are reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.			
Accomplishments/Planned Programs Subtotals	19.153	18.606	19.530

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605126J / *Joint Integrated Air & Missile Defense Organization (JIAMDO)*	Project (Number/Name) P008 / *Joint Regional Integrated Air and Missile Defense Capabilities Mix (JRICM)*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
P008: *Joint Regional Integrated Air and Missile Defense Capabilities Mix (JRICM)*	1.633	0.700	1.444	1.589	-	1.589	1.663	1.911	1.951	1.990	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Integrated Air and Missile Defense Organization (JIAMDO) is the organization within the Department of War chartered to plan, coordinate, and oversee Integrated Air and Missile Defense (IAMD) requirements, joint operational concepts, and operational architectures. As part of the Joint Staff, JIAMDO supports the Chairman in meeting Title 10 responsibilities as they relate to IAMD issues. JIAMDO supports the Joint Requirements Oversight Council (JROC) in its Title 10 U.S. Code 181 authorities as the Joint Staff lead of the IAMD Capability Portfolio Management Review (CPMR) process. JIAMDO is the operational community's proponent for requirements and capabilities in IAMD, and is the joint IAMD proponent within the DoW's resource allocation structures. JIAMDO also leads IAMD mission and utility analysis, integrates IAMD within the force protection joint capability area, conducts evaluations, demonstrations of joint IAMD architectures, and provides advocacy for innovative, technically mature, and affordable solutions. JIAMDO executes these duties for major efforts within the Department, such as the Golden Dome for America and the Guam Defense System.

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: JRICM Study	0.700	1.444	1.589
Description: Joint Regional Integrated Air and Defense Capability Mix (JRICM) will use analysis of adversary advanced ballistic, cruise, and hypersonic missile capabilities to determine if a layered missile defense can successfully degrade or defeat adversary missile attacks to extend defense duration in support of the Golden Dome for America. Funding will enable the study to proceed with support from the various government organizations and FFRDCs. Organizations will be funded to develop detailed analysis using modeling and simulation to study and evaluate defense capabilities (kinetic and non-kinetic) in the 2035 timeframe.			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0605126J / *Joint Integrated Air & Missile Defense Organization (JIAMDO)*	**Project (Number/Name)** P008 / *Joint Regional Integrated Air and Missile Defense Capabilities Mix (JRICM)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
FY 2026 Plans: Conduct fully informed, high-fidelity modeling and simulation on emerging US capabilities against an overwhelming raid of advanced mixed air and missile threats. Summarize impacts and lessons learned for senior decision-makers regarding layered defense capabilities and extending defense durations and aircraft sortie generation rate. Finalize study that support the IAMD Capability Portfolio Management Review. Initiate study that supports the Golden Dome for America. ***FY 2027 Plans:*** Continue FY 2026 plans. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Minor programmatic adjustment.			
Accomplishments/Planned Programs Subtotals	0.700	1.444	1.589

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff	Date: April 2026
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0204571J / *Joint Staff Analytical Support*

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	76.159	7.165	8.013	5.088	-	5.088	4.534	4.342	3.145	3.209	Continuing	Continuing
P001: *Future Joint Force Development and Design*	76.159	7.165	8.013	5.088	-	5.088	4.534	4.342	3.145	3.209	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Joint Staff Analytical Support (JSAS) family of programs provide defense analytical support capabilities for the Joint Staff and Combatant Commands (CCMDs). JSAS encompasses tools and infrastructure required to conduct analyses and formulate results that assist the Chairman in fulfilling his statutory responsibilities. A primary focus of this analysis is the development of the operational concepts that guide the evolution of the Joint Force. This effort is led by the threat-informed Joint Warfighting Concept (JWC), an overarching framework that is detailed through subordinate Concepts of Operation (CONOPS) and Concepts of Employment (CONEMPs). These integrated concepts describe how the force will fight and drive the identification of Concept-Required Capabilities (CRCs). This ensures that the entire JWC family of concepts provides direct, traceable input to the Joint Force Requirements Process (JFRP), aids senior leader decision-making, and implements timely, low-cost Joint Force development initiatives.

B. Program Change Summary ($ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	7.165	8.070	0.000	-	0.000
Current President's Budget	7.165	8.013	5.088	-	5.088
Total Adjustments	0.000	-0.057	5.088	-	5.088
• Congressional General Reductions	-	-0.057			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-	-	6.588	-	6.588
• Realignment to PE 0604826J	-	-	-1.500	-	-1.500

Change Summary Explanation

The FY 2026 President's Budget submission did not include FY 2027 funding projections. Therefore, no comparison between budget positions is available for FY 2027.

The FY 2027 budget realigns $1.500M from PE 0204571J (Joint Staff Analytical Support) to PE 0604826J (Joint C5 Capability Development, Integration, and Interoperability) to address critical operation need for all domain fires and effects at the operational level. J-6 is responsible for the Joint Fires mission.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0204571J / *Joint Staff Analytical Support*	Project (Number/Name) P001 / *Future Joint Force Development and Design*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
P001: *Future Joint Force Development and Design*	76.159	7.165	8.013	5.088	-	5.088	4.534	4.342	3.145	3.209	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Staff Analytical Support (JSAS) program provides analytic and management support to the Chairman's Title 10 requirement to develop urgent and long-term Joint concepts. These threat-based Joint concepts advance Joint force operational effectiveness and enable the introduction and incorporation of new capabilities. The Joint concepts program supports the Chairman's responsibility to articulate a vision for the future Joint force; address operational problems on a 20-year horizon; identify Joint force development implications; and identify capabilities required to mitigate and solve future Joint warfighting gaps. The goal is to enable investment decisions balancing near and long-term risk. Threat-informed Joint concepts drive capability development and promote horizontal integration for force development across the Services, Combatant Commands, Defense agencies, OSW and Joint Staff. Key deliverables include:

Joint Operating Environment (JOE) and the Gamechangers report: Developed in partnership with the Defense Intelligence Agency (DIA), these reports describe the future security environment and project the implications of change for the Joint Force. The documents describe the circumstances that may alter the security environment and explore how the intersection and interaction of these changes might impact the character of war in the future. They provide a framework to think about the full range of Joint force missions and how they may evolve over time to support development of threat-based future Joint concepts and CONOPS.

Joint Warfighting Design 2040 (JWD 2040): Describes the attributes of the future Joint force and identifies areas for Service examination and experimentation. It prepares the Joint force for the future character of warfare – as outlined in the Joint Operating Environment – and provides a force design that balances unity of effort with Service-specific contributions. JWD 2040 is developed through ongoing collaboration with the Services, Combatant Commands, Defense Agencies, the Intelligence Community, industry, academia, and key allies and partners.

The Joint Warfighting Concept (JWC): The Department of War's overarching vision for how the Joint Force will fight in the future. It provides a threat-informed, operational concept for how the U.S. military will operate as a cohesive team across all domains, including land, sea, air, space, and cyberspace. The JWC is designed to guide the development of future force structure, capabilities, and doctrine to deter and, if necessary, defeat near-peer adversaries in a high-intensity conflict. This concept has been formally incorporated into military doctrine with the publication of Joint Publication 1, Volume 1, Joint Warfighting, and serves as the foundation for modernizing the Joint Force.

Concepts of Operations (CONOPS): Describe how the actions of the Joint force components and supporting organizations, consistent with ideas from Joint concepts, are integrated, synchronized, and phased to accomplish a specific mission, war plan or function within the construct of a future scenario. CONOPS support evaluation of new ways of operating, future force posture mix, advanced capabilities, and authorities in exercises, wargames, and experiments.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0204571J / *Joint Staff Analytical Support*	**Project (Number/Name)** P001 / *Future Joint Force Development and Design*

Concepts of Employment (CONEMPs): A CONEMP is a detailed operational concept that describes how a specific, emerging military capability will be used to achieve desired effects and advantages against an adversary. Building upon the broad vision of a Joint Concept or CONOPS, a CONEMP focuses on the tactical and operational-level "how," outlining the tasks, command and control relationships, and integration of a new capability within the existing force structure. They are critical for exploring the doctrine, organization, training, materiel, leadership and education, personnel, facilities, and policy (DOTMLPF-P) implications of a new technology or system before it is widely fielded, ensuring it can be effectively integrated to support the Joint Force.

Concept-Required Capabilities (CRCs): Concept-Required Capabilities are specific, high-level capability proposals identified during the joint concept development process that are deemed essential to executing a concept's central idea. To ensure clarity and analytical rigor, each CRC is constructed using the Task, Purpose, Condition, and Standard structure. This framework articulates what the Joint Force must do (Task), why it is necessary (Purpose), the challenging operational circumstances in which it must be done (Condition), and the required level of performance (Standard). Once identified and validated, CRCs serve as the direct, authoritative input from the joint concept development process into the Joint Force Requirements Process (JFRP), providing the foundation for detailed analysis and resourcing decisions.

Joint Advanced Fires Qualification Course (JAFQ-C): Develop, standup, and execute JAFQ-C as the OCR for an OUSD P&R initiative as a critical task under CJADC2. JAFQ-C will deliver qualified specialist for operational-level, all-domain joint fires to address Joint Warfighting Concept issues for CCMDs, JTFs, and Components supporting Joint Fires Elements.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Future Joint Force Development and Design	7.165	8.013	5.088
Description: Future Joint Force Development and Design provides analytic support required to develop future-based joint concepts. The goal is to enable investment decisions balancing near and long- term risk. Threat-informed joint concepts drive capability development and promote horizontal integration for force development and design across the Services, Combatant Commands, Defense agencies, OSW and Joint Staff.			
FY 2026 Plans: Execute the Chairman's joint concept program, with the primary effort focused on the development of the next JWC. This effort will include the initial development of subordinate CONOPs, Concepts of Employment (CONEMPs) and the identification of Concept-Required Capabilities (CRCs) designed to address the top priorities of the 2026 National Defense Strategy. The program will support the execution of the FY 2026 Globally Integrated Wargame (GIWG) series, which will serve as the primary learning events to inform and refine the next JWC, its associated CONEMPs, and required capabilities. In parallel, the program will continue to support the operationalization of the current JWC across the Joint Force.			
FY 2027 Plans: Execute the Chairman’s Joint concepts program. Building on the foundational framework of the next JWC developed in FY 2026, the program will refine and build a robust understanding of the Key Operational Problems (KOPs) it identifies. This effort will drive continued development and assessment of associated Concepts of Operation (CONOPS), Concepts of Employment (CONEMPs),			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0204571J / *Joint Staff Analytical Support*	**Project (Number/Name)** P001 / *Future Joint Force Development and Design*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
and will identify concept-required capabilities (CRCs) that directly inform the new Joint Force Requirements Process (JFRP). The FY 2027 Globally Integrated Wargame (GIWG) series will be the primary analytical platform, specifically designed to build breadth, depth, and rigor in the understanding of these problems, their potential solutions, and to support Force Design activities like force mix analysis. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Realigns the Joint Advanced Fires Qualification Course (JAFQ-C) from PE 0204571J (Joint Staff Analytical Support) to PE 0604826J (Joint C5 Capability Development, Integration, and Interoperability) to address critical operation need for all domain fires and effects at the operational level. J-6 is responsible for the Joint Fires mission.			
Accomplishments/Planned Programs Subtotals	7.165	8.013	5.088

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff	Date: April 2026
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0305248J *I Joint Staff Office of the Chief Digital and Artificial Intelligence Officer*

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
Total Program Element	0.000	12.508	14.398	67.007	-	67.007	79.306	81.613	83.143	85.469	Continuing	Continuing
001: *Joint Staff Dashboard / CJCS Decision Support Capabilities*	0.000	12.508	14.398	67.007	-	67.007	79.306	81.613	83.143	85.469	Continuing	Continuing

Note

This Joint Staff (JS) Program Element Code was established in FY 2023, effective beginning in FY 2025, for Joint Staff Office of the Chief Digital and Artificial Intelligence Officer (OCDAO) Activities.

A. Mission Description and Budget Item Justification

Provides funds for the operation and support of activities directly related to the JS OCDAO mission to enable digital modernization efforts across the JS. This includes concept refinement, technology/system development, hardware/ software requirements, training, experimentation and other activities necessary for OCDAO to facilitate the linkages and integration of authoritative data flows between the JS, Combatant Commands (CCMDs), Services, and Office of the Secretary of War (OSW) to achieve decision advantage. In collaboration with each of the JS Directorates, the OCDAO advances data interoperability and strengthens leadership on data governance, analytics, and artificial intelligence to ensure that digital systems can fully support Combined Joint All-Domain Operations. As the JS focal point for data, analytics, and Artificial Intelligence (AI) the JS OCDAO also works closely with the Office of the Secretary of War (OSW) Chief Digital and Artificial Intelligence Officer (CDAO) to communicate and represent the JS and Chairman's requirements necessary to develop sustained information advantage capabilities to enable senior leader decision-making and action at the speed of the problem, and inform, shape and implement emerging AI policies, including the Responsible Use of AI principles.

B. Program Change Summary ($ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	12.508	14.500	0.000	-	0.000
Current President's Budget	12.508	14.398	67.007	-	67.007
Total Adjustments	0.000	-0.102	67.007	-	67.007
• Congressional General Reductions	-	-0.102			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-	-	67.007	-	67.007

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff	Date: April 2026
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0305248J *I Joint Staff Office of the Chief Digital and Artificial Intelligence Officer*

Change Summary Explanation

The FY 2026 President's Budget submission did not include FY 2027 funding projections. Therefore, no comparison between budget positions is available for FY 2027.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0305248J / *Joint Staff Office of the Chief Digital and Artificial Intelligence Officer*	Project (Number/Name) 001 / *Joint Staff Dashboard / CJCS Decision Support Capabilities*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
001: *Joint Staff Dashboard / CJCS Decision Support Capabilities*	0.000	12.508	14.398	67.007	-	67.007	79.306	81.613	83.143	85.469	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Data and analytics are the foundation necessary to create the critical data-driven applications and artificial intelligence (AI) systems needed to build enduring advantages for the Joint Force to remain competitive with pacing adversaries. However, recent events have demonstrated that the DoW's capabilities in data, analytics, and AI need further development.

Specifically, for the Joint Staff (JS), this means developing and testing JS-specific software applications (use cases) to achieve the Chairman of the Joint Chiefs of Staff's (CJCS) and the Vice Chairman of the Joint Chiefs of Staff's (VCJCS) requirement for Senior Leader Decision Support Capabilities. The CJCS has a statutory responsibility to provide military advice to the President, the National Security Council, the Homeland Security Council, and the Secretary of War. These decision support capabilities and the associated dashboard interface directly support the CJCS's military advice through interaction with integrated, real-time authoritative data, enabling data-driven decision making.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Joint Staff Dashboard / CJCS Decision Support Capabilities	12.508	14.398	67.007
Description: The JS OCDAO, in coordination with Office of Secretary of War (OSW) Chief Digital and Artificial Intelligence Officer (OCDAO), will develop JS workflow automation, business intelligence, and AI applications to achieve decision advantage. This includes developing and testing JS-specific software applications or use cases to support the Chairman's statutory responsibility to provide military advice to the President, the National Security Council, the Homeland Security Council, and the Secretary of War. These JS Dashboard use cases will be part of the CDAO's DoW Enterprise Application Layer interacting with the Data Integration Layer (DIL); ensuring that these applications as they are developed are fully interoperable with existing Joint and Service data analytics platforms (e.g., Advana cloud, Advana Edge, SUNet, Maven Smart Systems (MSS), and Army Vantage).			
FY 2026 Plans: Continue efforts established in FY 2025, along stated Lines of Effort. Over time, additional use cases will be added to support a comprehensive, cross-directorate Dashboard capability:			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0305248J / *Joint Staff Office of the Chief Digital and Artificial Intelligence Officer*	**Project (Number/Name)** 001 / *Joint Staff Dashboard / CJCS Decision Support Capabilities*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
1. LOE 1: Digitizing and automating workflows and analytics for the Secretary of War Orders Book (SWOB) for Global Force Management (GFM), including global integration features for Combatant Command (CCMD)/Service readiness and Operations, Activities, and Investments (OAI), and Joint Force readiness data. 2. LOE 2: Supporting the Crisis Management Team (CMT) in the National Military Command Center by overlaying the Common Operating Pictures (COP), Common Intelligence Pictures (CIP), and working real-time assessments during 24/7 crisis response efforts. 3. LOE 3: The Joint Requirements Oversight Council (JROC) Data Modernization. This LOE will improve data accessibility and data retrieval from Knowledge Management and Decision Support (KM/DS), the primary support tool for the Joint Requirements Oversight Council and Joint Capabilities Integration and Development System (JCIDS) process. 4. LOE 4: Digitizing the Joint Strategic Planning System (JSPS) Portfolio. The JSPS is the foundation for providing the Chairman's strategic guidance and military advice in support of Title 10 authorities; digitizing this process, developing a collaborative workspace, and workflows allows for efficiency and effectiveness in this joint strategic planning system. ***FY 2027 Plans:*** Sustain efforts established in FY 2025-2026 along the stated Lines of Effort. Over time, additional use cases will be added to support a comprehensive, cross-directorate Dashboard capability: 1. LOE 1: Digitizing and automating workflows and analytics for the Secretary of War Digital Orders Book (DOB), Defense Readiness Module (DRM), Logistics Common Operational Picture (LOGCOP), Force Management Decision Support (FMDS) supporting Global Force Management (GFM), including global integration features for Combatant Command (CCMD)/Service readiness and Operations, Activities, and Investments (OAI) and Training and Exercise Support Tool (TEST) to support exercise domain 2. LOE 2: Supporting Global Integration and the Crisis Management Team (CMT) in the National Military Command Center by overlaying the Common Operating Pictures (COP), Common Intelligence Pictures (CIP), and working real-time assessments and during 24/7 crisis response efforts. 3. LOE 3: The Joint Force Requirements Process (JFRP) Digital Backbone. This LOE will improve data accessibility and data retrieval from Knowledge Management and Decision Support (KM/DS), the primary support tool for the Joint Requirements Oversight Council .			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0305248J / *Joint Staff Office of the Chief Digital and Artificial Intelligence Officer*	**Project (Number/Name)** 001 / *Joint Staff Dashboard / CJCS Decision Support Capabilities*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
4. LOE 4: Establish the Joint Staff War Data Platform mission space, the foundational data and experimentation platform, providing IL2-JWICS pipelines and an industry collaboration zone to rapidly prototype, pilot, and scale use cases. This LOE supports a data-fused, AI-enabled environment to improve the JS CDAO's ability to rapidly field capabilities against emergent and urgent CCMD/JS requirements, bypassing traditional funding cycles to meet the speed of mission at the required level of impact. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** The increase enables critical sustainment and expansion of JS digital modernization efforts, directly enhancing senior leader decision-making. This funding will continue the automation of key workflows, such as the Digital Orders Book (DOB) and Global Force Management (GFM), while providing an integrated, real-time common operational picture for global crisis response, and will also establish the Joint Staff War Data Platform, creating a foundational environment for rapidly developing and scaling AI-enabled capabilities to meet emergent requirements at the speed of mission and enable a decisive information advantage.			
Accomplishments/Planned Programs Subtotals	12.508	14.398	67.007

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The JS Dashboard development effort will continue to leverage OSW CDAO enterprise tools, the DoW Federated Data Catalog, and integrate with Mission Command Applications. Although the Joint Staff Dashboard is nested with CDAO's enterprise solutions, it encompasses unique Joint Staff Title 10 functions and requirements to support the National Command authority. Accordingly, Joint Staff-unique Dashboard development efforts will be developed in line with DoD Instruction 5000.87, Software Acquisition Pathway guidance. Specifically, utilizing development of Joint Staff cases within DevSecOps environments to deploy data automations, workflows, modeling, meta data management, data ontologies, user interface/experience design (UI/UX) and engineering and human-centered design contract support.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff											Date: April 2026	
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*					R-1 Program Element (Number/Name) PE 0804768J *I Joint Training, Exercise and Evaluation Program (JTEEP)*							
COST ($ in Millions)	**Prior Years**	**FY 2025**	**FY 2026**	**FY 2027 Base**	**FY 2027 OOC**	**FY 2027 Total**	**FY 2028**	**FY 2029**	**FY 2030**	**FY 2031**	**Cost To Complete**	**Total Cost**
Total Program Element	216.826	128.160	98.303	90.424	-	90.424	101.593	94.508	98.035	97.894	Continuing	Continuing
701: *Air Force Joint National Training Capability (JNTC)*	19.006	3.156	18.000	4.937	-	4.937	5.574	5.574	5.574	5.574	Continuing	Continuing
758: *Joint National Training Capability (JNTC)*	145.633	15.926	7.445	19.667	-	19.667	25.241	17.325	17.347	17.347	Continuing	Continuing
769: *Joint Knowledge Development & Distribution Capability (JKDDC)*	5.789	0.808	0.808	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
772: *Navy Joint National Training Capability (JNTC)*	23.276	3.165	2.409	3.160	-	3.160	3.160	3.160	3.160	3.160	Continuing	Continuing
774: *USMC Joint National Training Capability (JNTC)*	3.264	0.268	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
779: *Joint Staff Live, Virtual and Constructive (JLVC) Modernization*	19.858	104.837	69.641	62.660	-	62.660	67.618	68.449	71.954	71.813	Continuing	Continuing

Note

Due to data entry error, the FY 2026 amounts for projects 701 and 758 are reversed.

A. Mission Description and Budget Item Justification

These programs support readiness of the joint force by creating a joint training environment to replicate the complex and changing operational environment. These investments directly support defense strategic guidance, Joint Operational Training Infrastructure strategy, and enhance joint warfighting readiness by building training capabilities that support the operational readiness of the joint force. The elements associated with this coordinated effort consist of:

JNTC: The mission of the Joint National Training Capability (JNTC) program is to advance joint capabilities and interoperability by concentrating on emerging joint training requirements through collective training using a managed set of globally distributed capabilities and activities. The program resources Service and Special Operations Forces joint training to improve interoperability and create realistic tactical and operational joint training. JNTC enables joint training for Combatant Commands and Services by developing joint training content and ensuring global distributed access. JNTC enabling capabilities support Services and USSOCOM requirements to provide trained and ready joint forces in support of Combatant Command operational requirements. The program supports the Joint Operational Training Infrastructure (JOTI). This program focuses efforts on improving readiness and creates a ready surge force that is consistent with the Chairman's guidance

and will provide the means to train joint forces for the operationalization of the Joint Warfighting Concept. This program also supports the operationalization of the Joint Warfighting Concept by addressing emerging joint training requirements and enabling interoperability across all domains.

JKDDC: Joint Knowledge Development & Distribution Capability (JKDDC) Joint Knowledge Online (JKO) is the program of record for online joint training that implements and operationalizes the OSW training transformation JKDDC. JKO directly supports the JTEEP program by developing, delivering, tracking, reporting, and supporting online training for Combatant Command exercises; Combatant Command required training; doctrinally based Joint Operations Core Curriculum; multinational, coalition, interagency training; OSW required training; and administration of the Senior Enlisted Joint Professional Military Education program. JKO utilizes RDT&E funding for leading edge technology review, market research, and integration to directly enhance various aspects of the training capability required to support Combatant Commanders, JTEEP program objectives, and the Chairman's joint training guidance. JKO ensures all requirements are met to provide JTEEP stakeholders with a distributed learning capability, offering persistent global access to web-based training content, learning resources, and distributed online training tools.

Air Force Joint National Training Center (JNTC): Air Force JNTC funding provides a focused upgrade to develop models for space-based and cyber capabilities for integration into the Joint Live, Virtual, and Constructive (JLVC) environment as well supporting development of cross-domain solutions. Additionally, the Air Force invests in development of capabilities to enhance the rigor and fidelity of training for live and virtual members of joint training audiences. This funding request is crucial for integrating adversary C2, IADS models, and accurate hardware and software sub-components into cyber and EW ranges. It will support weapon system development, testing, training, TTP development, exercising, and mission rehearsal. Additionally, the integration of hypersonic weapons/vehicles into Joint events using the Digital Integrated Air Defense System (DIADS) will enhance realism and readiness. The introduction of target sets called "Threat Representative Networks (TRNs)" will enable the translation of effects generated by cyber and EW weapon system live fires into the exercise battle space. The unique challenges posed by hypersonic vehicles, including their unpredictability, maneuverability, and short detection/tracking distances, require specialized modeling and defense capabilities. DIADS will be utilized to model red hypersonic vehicle interceptors, enhancing the Joint community's ability to address this emerging threat. The addition of red sensors and the integration of Hypersonic Air Defense Effectiveness and Survivability (HADES) will expand DIADS' capabilities. This extension aims to incorporate hypersonic air defense into exercises, ensuring Joint forces are prepared to engage blue platforms and address the challenges posed by hypersonic threats.

Navy JNTC: These funds enable Navy to develop unique maritime capabilities that integrate JLVC elements into a seamless joint training environment. The Navy program activities include conducting research, development, and integration of a common, realistic, joint and partner nation, operational-to- level training architecture to deliver individual and collective constructive joint training for use in Fleet Synthetic Training (FST) events, Ballistic Missile Defense Exercises (BMDEX) certification events, CCMD exercises, and BMD-at-Sea training events in support of CCDR’s training, deployment certification and operational requirements.

Joint Staff Live, Virtual and Constructive Modernization: This funding supports the Department's priorities to defend the homeland, deter strategic attacks and aggression, prevail in conflict, build enduring advantage, and build a resilient and ready joint force and defense eco system. China has greatly increased the urgency for realism of joint training using JLVC to improve readiness and interoperability, unearth operational weaknesses to train a joint force to key operational problems. The Joint Live, Virtual and Constructive (JLVC) Modernization project seeks out, develops, and integrates training technologies to provide a reliable, realistic, relevant, repeatable, and recordable training environment to train joint warfighters to successfully execute operational plans (OPLANs). Through analysis driven by a threat-informed China task force study in 2022, the Joint force lacks the training enterprise capability and technical architecture required to provide all-domain, high-end training for global operations. Aligned with the 2026 National Defense Strategy, JLVC Modernization is critical to ensure the Department of War (DoW) can close joint operational training

gaps, provide a key enabler for the Pacific Multi-Domain Training and Experimentation Capability, provide training for advanced systems that cannot be realistically trained in live environments, provide training for future capabilities the force must be prepared to employ, and to build the readiness of a more lethal force. To meet this objective, the JLVC Modernization project performs the following activities:

• Exploit new technologies and leverage industry advances in equipment, modeling and simulation, and networks support the joint training enterprise

• Expedite the transition and integration of new training technologies (simulations, network, range integration) from Services, Industry, and Academic environments to the joint training enterprise

• Establish data standards to enable the transition to a data-centric architecture, aligned to CJADC2, ensuring consistency and provide 'analytics-ready' data to support all domain training; implement Joint LVC interoperability standards to enable all domain joint force training across LVC training ranges

• Develop and integrate a fully-informed (Program to S/REL) Space, Cyber, Electromagnetic Spectrum (EMS), and 5th/6th Gen synthetic capabilities for the joint training enterprise

• Work with CCMDs and Services to optimize existing service programs while beginning to develop Next Generation simulations and simulators that are inherently interoperable across warfighting and security domains

• Advance the use of innovative applications of Artificial Intelligence for scenario generation, dynamic threat, smart opposing force (OPFOR), and after-action review (AAR) for the joint training enterprise

Additionally, the JLVC Modernization project examines emerging joint training requirements resulting from new operational concepts, wargames, experiments, and exercises to identify training technology needs and develop a long-range roadmap for technology insertion into the joint training enterprise. The project leverages and employs applicable applied research efforts from the highly developed technology base in the DoW/DOE laboratories, Service System Engineering Centers, test and evaluation centers, other Government agencies, and industry to accelerate development and integration of new training capabilities. The project outreaches and engages Academia to address joint training technology challenges in DoW. This program provides travel funds for JLVC Modernization project oversight, special studies, analyses, and strategic planning related to modernization of training capabilities and infrastructure.

B. Program Change Summary ($ in Millions)	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total
Previous President's Budget	121.809	98.303	0.000	-	0.000
Current President's Budget	128.160	98.303	90.424	-	90.424
Total Adjustments	6.351	0.000	90.424	-	90.424
• Congressional General Reductions	-0.649	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	7.000	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-	-	90.424	-	90.424

Exhibit R-2, RDT&E Budget Item Justification: PB 2027 The Joint Staff	Date: April 2026
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0804768J *I Joint Training, Exercise and Evaluation Program (JTEEP)*

Change Summary Explanation

The FY 2026 President's Budget submission did not include FY 2027 funding projections. Therefore, no comparison between budget positions is available for FY 2027.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	Project (Number/Name) 701 / *Air Force Joint National Training Capability (JNTC)*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
701: *Air Force Joint National Training Capability (JNTC)*	19.006	3.156	18.000	4.937	-	4.937	5.574	5.574	5.574	5.574	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Due to data entry error, the FY 2026 amounts for projects 701 and 758 are reversed. The correct FY 2026 amount for project 701 is $7.445M.

A. Mission Description and Budget Item Justification

Air Force JNTC funding provides a focused upgrade to develop models for employment of cyber and 5th generation capabilities for integration into the Joint Live, Virtual, and Constructive (JLVC) environment as well as supporting development of cross-domain solutions. Additionally, the Air Force invests in development of capabilities to enhance the rigor and fidelity of training for live and virtual members of joint training audiences.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Air Force Joint National Training Capability (JNTC)	3.156	18.000	4.937

Description: Air Force continues to develop joint enablers that drive realistic/effective training in contested and degraded environments across the JTEEP/CE2T2 enterprise. These capability enhancements provide a thinking and reactive Opposing Force (OPFOR) to challenge and engage both live and virtual Blue Forces using a combination of kinetic, non-kinetic, and cyber capabilities. Additionally, it continues to build upon prior investments in the cyber and space domains by improving fidelity of synthetic environments, ability to portray and control blue, red, and neutral entities and effects, interoperability with other Service, joint, and JLVC federation models and simulations, and support of JTEEP/CE2T2 mission partners.

FY 2026 Plans:

1. Continue to develop capabilities for live Opposing Force (OPFOR) surface-to-air threats to engage virtual as well as live Blue Force (BLUFOR) aircraft.

2. Enhance new capabilities for integration of the cyber simulator environment generator and "blue" cyber effects simulation. Further develop the capabilities of the Joint Electric Power Range (JEPR) to ensure the Joint community has access to a high-fidelity, configurable, targetable electrical power distribution grids in order to support training for Joint ISR analysts, EW systems, cyber operators and campaign planners while enhancing infrastructure attack capabilities and defensive measures.

3. Develop new all-domain, full-spectrum operations capabilities against adversary-representative control systems (CS) which support adversary war making capabilities such as POL and chemical production, power generation/distribution, etc. Adversary

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	**Project (Number/Name)** 701 / *Air Force Joint National Training Capability (JNTC)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
CS replication provides enhanced planning and employment of integrated kinetic, EW, cyber, and ISR assets to achieve desired effects against adversary CS through all domains. 4. Develop new all-domain, full-spectrum operations capabilities against adversary-representative control systems (CS) which support adversary war making capabilities such as POL and chemical production, power generation/distribution, etc. Adversary CS replication provides enhanced planning and employment of integrated kinetic, EW, cyber, and ISR assets to achieve desired effects against adversary CS through all domains. 5. Model, simulate, test, evaluate, and integrate Nontraditional Kinetic Strike features within the existing virtual UAS/RPA simulation environment used in the joint training federations. The software upgrade will provide the ability to model Small Unmanned Arial Systems (SUASs), small wing drones, high altitude balloons with sensors, etc. to use as a weapon and provide accurate battle damage assessment. ***FY 2027 Plans:*** 1. Continue to develop capabilities for live Opposing Force (OPFOR) surface-to-air threats to engage virtual as well as live Blue Force (BLUFOR) aircraft. 2. Sustain development of and enhance new capabilities for integration of the cyber simulator environment generator and "blue" cyber effects simulation. Further develop the capabilities of the Joint Electric Power Range (JEPR) to ensure the Joint community has access to a high-fidelity, configurable, targetable electrical power distribution grids in order to support training for Joint ISR analysts, EW systems, cyber operators and campaign planners while enhancing infrastructure attack capabilities and defensive measures. 3. Sustain development of and enhance new all-domain, full-spectrum operations capabilities against adversary-representative control systems (CS) which support adversary war making capabilities such as POL and chemical production, power generation/distribution, etc. Adversary CS replication provides enhanced planning and employment of integrated kinetic, EW, cyber, and ISR assets to achieve desired effects against adversary CS through all domains. 4. Sustain development of an enhanced anechoic chamber to support controlled RF exercise events during all-domain Joint training enabling the execution of cost-effective, high-impact, timely and scoped training and exercising of integrated or converged technologies that will provide significant insight to the joint cyber/EW community and to the warfighter.			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	**Project (Number/Name)** 701 / *Air Force Joint National Training Capability (JNTC)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
5. Complete integration and testing of Nontraditional Kinetic Strike features within the existing virtual UAS/RPA simulation environment used in the joint training federations. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Due to data entry error, the FY 2026 amounts for projects 701 and 758 are reversed. The correct FY 2026 amount for project 701 is $7.445M. Funding adjustment supporting continued development of advanced models for use in joint exercises and tactical training including unmanned systems.			
Accomplishments/Planned Programs Subtotals	3.156	18.000	4.937

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	Project (Number/Name) 758 / *Joint National Training Capability (JNTC)*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
758: *Joint National Training Capability (JNTC)*	145.633	15.926	7.445	19.667	-	19.667	25.241	17.325	17.347	17.347	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Due to data entry error, the FY 2026 amounts for projects 701 and 758 are reversed. The correct FY 2026 amount for project 758 is $18.000M.

A. Mission Description and Budget Item Justification

Investment in the Joint National Training Capability (JNTC) program enables Service and Combatant Commands to train as they operate as part of the overall Joint Force. JNTC provides the technical standards, architecture, and development processes required to integrate/link joint training enablers in programs across the Department of War. The program also supports JNTC Accreditation, Certification, and Mitigation (A/C/M) processes, which are critical for assessing joint training environments, identifying gaps, and implementing mitigation strategies. JNTC Liaisons play a key role in maintaining engagement with Service programs and operationalizing the Joint Warfighting Concept (JWC). The capabilities enable simultaneous training at scale, with aggregation of training audiences at the Combatant Command, Joint Task Force, Component Command headquarters, and Service tactical levels. The funding also supports modernization of the Joint Training Environment (JTE) through a Modular Open Systems Architecture (MOSA) approach to include development of a cloud ready, web-accessible Joint Training Platform providing the Joint Training Tool (JTT) and supporting data services that support all phases of an exercise from initiation, force sourcing, planning, design, execution, integration with JLVC, AAR, and analytics of results with Artificial Intelligence (AI). The JTT will increase warfighter access to semi-automated training enablers within the Joint Training Synthetic Environment (JTSE). The JTT will also modernize the automation of Joint Training System (JTS) by incorporating functionality and capabilities of the Joint Training Information Management System (JTIMS). JNTC enables the Department of War to train the Joint Force on the operationalization of the current and future Joint Warfighting Concept and provides more effective training by providing capabilities that replicate the contemporary and future operating environment. Additionally, the program ensures cybersecurity compliance and lifecycle maintenance of JNTC systems to sustain secure and reliable training environments. This program will implement the goals listed in the Joint Operational Training Infrastructure (JOTI).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Joint National Training Capability (JNTC)	15.926	7.445	19.667
Description: JNTC provides the technical standards, architecture, and development processes required to integrate and link joint training enablers in programs across the Department of War. The capabilities enable simultaneous training at scale, with aggregation of training audiences at the Combatant Command, Joint Task Force, Component Command headquarters, and Service tactical levels. The funding also supports modernization of the Joint Training Environment (JTE) through a Modular Open Systems Architecture (MOSA) approach to include development of a cloud-ready, web-accessible Joint Training Platform and Joint Training Tool (JTT) that supports all phases of an exercise from initiation, force sourcing, planning, design, execution, integration with JLVC, AAR, and analysis of results using Artificial Intelligence (AI). The JTT will increase warfighter access			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	**Project (Number/Name)** 758 / *Joint National Training Capability (JNTC)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
to semi-automated training enablers within the Joint Training Synthetic Environment (JTSE). The JTT will also modernize the automation of the Joint Training System (JTS) by incorporating authoritative data sources and leveraging AI with a focus on data centricity, as outlined in the DoW Data Strategy and the DoW Data, Analytics and Artificial Intelligence Adoption Strategy. JNTC enabling capabilities include Accreditation, Certification, and Mitigation (A/C/M) processes, which assess joint training environments, identify gaps, and implement mitigation strategies. JNTC Liaisons play a key role in maintaining engagement with Service programs and operationalizing the Joint Warfighting Concept (JWC). Additionally, JNTC integrates with the Joint Training Synthetic Environment (JTSE) and the Joint Live, Virtual, and Constructive (JLVC) Federation to enable high-fidelity simulation environments and persistent training systems. The program also ensures cybersecurity compliance and lifecycle maintenance of JNTC systems to sustain secure and reliable training environments. ***FY 2026 Plans:*** 1. The JTT will continue to improve and enhance existing capabilities to expand functionality and user experience for the C/S/A user community. The JTT will also integrate authoritative data sources to include terrain, key infrastructure, capability/readiness for US and ally nation forces, and threat data (forces, platforms, etc.). 2. The Joint Training Platform will integrate modern data management and analytical capabilities (AI/ML) to enable the ability to query data, make connections across systems, inform decisions, and conduct assessments of Joint training events. 3. The JTT will develop simulation and white cell capabilities and integrate AAR capabilities within the Joint Training Platform to align JTT with the JLVC and connect data across all phases of the JTS. Continue to develop additional capability within planned persistent simulation service of web-enabled, modular JTT and test against first CCMD use-cases. 4. Continue to enhance Joint simulation advancement (within JLVC) to keep pace with operational environment changes (annual requirement). 5. Continue to support the Joint Operation Training infrastructure goals (annual requirement). ***FY 2027 Plans:*** 1. Expansion of Joint Training Tool (JTT) Capabilities Objective: Continue enhancing the JTT to meet evolving user needs and operational requirements. • Expand functionality to support additional Combatant Command (CCMD) use cases. • Integrate advanced terrain modeling and dynamic threat data updates to reflect real-time operational environments. • Enhance user experience by incorporating feedback from the Combatant Command, Service, and Agency (C/S/A) user community.			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	**Project (Number/Name)** 758 / *Joint National Training Capability (JNTC)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
2. Advanced Data Integration and Analytics Objective: Leverage AI/ML to improve data-driven decision-making and training assessments. • Expand integration of authoritative data sources, including real-time operational data feeds and predictive analytics. • Develop new simulation models to reflect emerging threats, technologies, and operational concepts. • Enhance fidelity and scalability of JLVC simulations to support larger and more complex training exercises. • Conduct annual reviews and updates to ensure JLVC simulations meet current and future operational requirements. 3. Joint Live, Virtual, and Constructive (JLVC) Simulation Objective: Ensure JLVC simulations remain aligned with the evolving operational environment. • Integrate new simulation models to reflect emerging threats, technologies, and operational concepts. • Enhance fidelity and scalability of JLVC simulations to support larger and more complex training exercises. • Conduct annual integration event, reviews and updates to ensure JLVC simulations meet current and future operational requirements. 4. Infrastructure and Cybersecurity Enhancements Objective: Sustain and modernize the Joint Operational Training infrastructure while ensuring cybersecurity compliance. • Upgrade infrastructure to support increased data processing and storage requirements. • Implement advanced cybersecurity measures to protect training systems and data from emerging threats. • Conduct regular audits and lifecycle maintenance to ensure reliability and security of JNTC systems. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Due to data entry error, the FY 2026 amounts for projects 701 and 758 are reversed. The correct FY 2026 amount for project 758 is $18.000M. The program's increase supports integration of AI technologies into the JLVC federation to support DOW's Joint Training Infrastructure and M&S capabilities.			
Accomplishments/Planned Programs Subtotals	15.926	7.445	19.667

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	Project (Number/Name) 769 / *Joint Knowledge Development & Distribution Capability (JKDDC)*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
769: *Joint Knowledge Development & Distribution Capability (JKDDC)*	5.789	0.808	0.808	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Joint Knowledge Online (JKO) is the DoW unique and authoritative source for online joint training. JKO is tasked to develop a DoW enterprise-wide, joint individual training toolkit of web-enabled individual and small group training products, services, and enabling training technology. Products and services are developed in response to OSW program goals, CJCS training guidance, Joint Staff training priorities, and JKO stakeholders (Combatant Commands, Services, Combat Support Agencies, Interagency, and multinational partners) prioritized training requirements. JKO supports a career-long joint learning continuum, joint professional military education, and tailored common training standards to Service members on tasks that are jointly executed. JKO's research and development will improve all components of the Joint Total Learning Architecture (JTLA) including:

1. JKO Learning Management System (LMS): Development and enhancement is required to integrate advanced individual and staff training technologies and methodologies with larger scale, collective training exercises, and modernize military training capability with a DoW enterprise-wide online training toolkit. There are currently over 4.5 million registered users of the JKO LMS.

2. JKO Course Builder: JKO's Course Builder is a separate component used for organizations to develop online content by both internal and external joint enterprise teams. Course Builder mitigates the need to have programmer's code Shareable Content Object Reference Model (SCORM) standards into content with automation that promotes fiscal efficiency as well as operational responsiveness. Course Builder will advance to support new JKO Content Development techniques including responsive design, micro-learning, parallax scrolling and adaptive learning methodology.

3. Warrior Readiness Site (WRS) – Warrior Readiness is a JKO-SIPR capability focused on providing current and relevant education and training on the Changing Character of War, related Joint concepts, ready-reference information on key adversaries, and service-related warfighting concepts to prepare Joint Force personnel for employment across the DoW. WRS is a collective site of critical need-to-know information, utilizing micro-learning for the inquisitive learner looking to improve their Joint Force acumen.

4. JKO Virtual Classroom (VCLASS): JKO's new virtual classroom, or VCLASS, meets the need for an enhanced distributed learning capability with the introduction of a collaborative learning environment. VCLASS is a customizable platform within JKO's architecture and provides JKO elevated users with tools to meet the unique needs of DoW's training and education audience by providing online/blended course support with syllabus, messaging, gradebook, resources, announcements and synchronous instructional forums.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	**Project (Number/Name)** 769 / *Joint Knowledge Development & Distribution Capability (JKDDC)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Joint Knowledge Development & Distribution Capability (JKDDC)	0.808	0.808	-
Description: Joint Knowledge Online (JKO) is the Department of War's premier online training platform, designed to enhance the readiness and preparation of military and civilian personnel. JKO provides advanced technology initiatives, including the Learning Management System (LMS) application, Course Builder, Warrior Readiness Site (WRS), and Virtual Classroom (VCLASS) training applications. These capabilities enable scalable and accessible training for hundreds of thousands of personnel deploying to Combatant Command (CCMD) theaters of operation and serving in Combined/Joint Task Force (C/JTF) billets. The JKO Learning Management System (LMS) supports the development, hosting, delivery, tracking, and reporting of training courses, ensuring efficient management of students' progress, completions, and survey results. Course Builder facilitates the creation of mission-specific Joint training courses, while the Warrior Readiness Site (WRS) provides centralized resources for pre-deployment preparation. The Virtual Classroom (VCLASS) enables real-time, interactive training sessions, fostering collaborative learning environments for individuals and staffs. By leveraging these advanced capabilities, JKO plays a critical role in preparing the Globally Integrated Joint Force and Combatant Command (CCMD) personnel. The platform ensures that both individuals and staffs are better trained to meet the demands of Joint and Combined operations, contributing to the overall effectiveness of the joint training enterprise and supporting mission success. ***FY 2026 Plans:*** The Joint Knowledge Online (JKO) program will continue to integrate and expand the Virtual Classroom (VCLASS) open-source capability (Sakai) into the Global Content Distribution System (GCDS) and the JKO Learning Management System (LMS) suite of tools. This integration will enhance both synchronous (live) and asynchronous instructor-led training capabilities, providing greater flexibility and accessibility for users. Efforts will focus on integrating Joint Training and Learning Architecture (JTLA) across component tools such as LMS, Course Builder, Warrior Readiness Site (WRS), and VCLASS. This integration will support advanced content development techniques, including micro-learning, parallax scrolling, and Adaptive Learning Methodology, to deliver innovative and engaging training experiences. The program will also extend the use of micro-learning technology, xAPI adaptation, Learning Record Store (LRS), and Adaptive Learning Methodology to increase the personalization of learning content. Enhanced personalization capabilities will enable self-regulated micro-learning training that is engaging, practical, and user-friendly. This approach allows individuals to quickly access tailored learning content whenever opportunities arise, improving efficiency and effectiveness in training delivery. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Joint Knowledge Online (JKO) funds are to be realigned to JTEEP to support future integration and program enhancements			
Accomplishments/Planned Programs Subtotals	0.808	0.808	-

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	**Project (Number/Name)** 769 / *Joint Knowledge Development & Distribution Capability (JKDDC)*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	Project (Number/Name) 772 / *Navy Joint National Training Capability (JNTC)*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
772: *Navy Joint National Training Capability (JNTC)*	23.276	3.165	2.409	3.160	-	3.160	3.160	3.160	3.160	3.160	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Develops unique maritime capabilities that integrate joint live, virtual, and constructive (JLVC) elements into a seamless joint training environment. Using a scientific and phased approach that focuses on modeling ground, air, space, and maritime capabilities, this program researches and integrates new technologies and methods that provide a crucial technology-based foundation that supports all JNTC multi-domain training, JLVC federation, and Combatant Commanders exercise and engagement operations. This program provides a current and emerging multi-functional and multi-domain strategic competitor threat environment and associated warfighting challenges to stimulate Joint and Navy training audiences, enabling the Fleet Commander to certify deploying forces in a synthetic Joint training environment and Joint Force Maritime Component Commands (JFMCCs) to participate in realistic Combatant Commander Exercises.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Navy Joint National Training Capability (JNTC)	3.165	2.409	3.160

Description: Develops unique maritime capabilities that integrate joint live, virtual, and constructive (JLVC) elements into a seamless joint training environment. Using a scientific and phased approach that focuses on modeling ground, air, space, and maritime capabilities, this program researches new technologies and methods that provide a crucial technology-based foundation that supports all JNTC training transformation, JLVC federation, and Combatant Commanders exercise and engagement operations. This program provides a current and emerging multi-functional and multi-domain near-peer threat environment and associated warfighting challenges to stimulate Joint and Navy training audiences, enabling the Fleet Commander to certify deploying forces in a synthetic Joint training environment and Joint Force Maritime Component Commands (JFMCCs) to participate in realistic Combatant Commander Exercises.

FY 2026 Plans:

Provide continued development of capability for integration with annual software release of the Navy Training Baseline (NTB) to enable tactics, techniques and procedures (TTP) development for contested environments and Ballistic Missile Defense (BMD).

Continue to develop advanced models to support Navy and Joint Operational Level of War (OLW) exercises and tactical training; to include Anti-ship Cruise Missile (ASCM) defense, Counter-ISR, including unmanned system (UxS) defense, theater and regional BMD, and AEGIS Weapons System, maritime air, tactical air and unmanned sensor and weapon system capability upgrades.

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	**Project (Number/Name)** 772 / *Navy Joint National Training Capability (JNTC)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Provide continued development of capability for integration with annual software release of the Navy Training Baseline (NTB) to enable tactics, techniques and procedures (TTP) development for contested environments and Ballistic Missile Defense (BMD). Continue to develop advanced models to support Navy and Joint Operational Level of War (OLW) exercises and tactical training; to include Anti-ship Cruise Missile (ASCM) defense, Counter-ISR, including unmanned system (UxS) defense, theater and regional BMD, and AEGIS Weapons System, maritime air, tactical air and unmanned sensor and weapon system capability upgrades. ***FY 2027 Plans:*** Provide continued development of capability for integration with annual software release of the Navy Training Baseline (NTB) to enable tactics, techniques and procedures (TTP) development for contested environments and Ballistic Missile Defense (BMD). Continue Joint Semi-Automated Forces (JSAF) expansion into web, cloud, and virtualization technologies, eliminating unnecessary training equipment and further reducing labor costs in Navy and JLVC events. JSAF virtualization reduces dependence on obsolete desktop applications, which will lower future JASF development costs. Navy will identify solutions to automate entity behavior(s) and maintain interoperability. Navy will focus on development of enhanced IAMD and BMD capabilities to regularly improve requisite data models representing constructive ballistic missile threat systems and stimulation of Navy, Joint, Service, Interagency, and Coalition live, virtual and constructive participants. Model sources include Missile Defense Agency (MDA), National Air and Space Intelligence Center (NASIC) and Missile and Space Information Center (MSIC). JIP will develop and incorporate constructive communications and systems to improve BLUFOR EW and ISR capabilities, while also introducing BLUE counter OPFOR EW and ISR capabilities into realistic LVCt environments where the adversary degrades or denies Joint Force ESM. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** Increased funding supports continued development of advanced models for use in joint exercises and tactical training including unmanned systems.			
Accomplishments/Planned Programs Subtotals	3.165	2.409	3.160

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	Project (Number/Name) 774 / *USMC Joint National Training Capability (JNTC)*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
774: *USMC Joint National Training Capability (JNTC)*	3.264	0.268	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

These funds advance USMC training capabilities by providing stability and risk reduction to a variety of efforts focused on improving the fidelity and realism of training simulation systems. These systems are tailored to prepare operational Marine Air Ground Task Force (MAGTF) units for worldwide deployment in support of CCMD operations and engagements and are available to any organization or entity training via the JLVC federation of training tools. Based on the Commandant's planning guidance and JOTI Strategy Goal #1 and objectives, the Marine Corps will continue to improve performance of the MAGTF Tactical Warfare Simulation in the areas of the JLVC-multi-resolution federation bridge, common database terrain data ingestion, and JLVC interoperability. The MAGTF Tactical Warfare Simulation also provides a single source training environment capability that enables users to select single or multiple play boxes (terrain data sets) for training simulation systems easing the burden of requesting terrain, 3D models, and other geographic layers into a single source. In addition to developing an exercise planning, design, implementation, execution, and control tool, the MAGTF Tactical Warfare Simulation also enhances indigenous population modular service enabling exercise designers the ability to rapidly build new scenarios and incorporate human geography elements into the training scenarios.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Marine Corps Joint National Training Capability (JNTC)	0.268	-	-
Description: Provides indigenous population (IP) concept development and integration, supporting both constructive and virtual training simulation systems by injecting “people packs” with realistic attributes and behaviors associated with specified regions. Full integration of terrain generation 3D models and objects into joint federation synthetic training environment eliminates the burden of requesting terrain data by the Services and CCMDs creates a single, shareable, repository across the federation. Initiates design and development of a joint exercise design and control tool enhancing connectivity across multiple platforms providing exercise planning, design and control within various joint simulation constructs. Addresses crucial integration of MAGTF Tactical Warfare Simulator (MTWS) into the Korean side of multi-resolution federation bridge supporting Ulchi Freedom Guardian covering training shortfalls in engineering obstacle simulations (minefields, chemical, anti-tank ditches, bridges, etc.).			
Accomplishments/Planned Programs Subtotals	0.268	-	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	**Project (Number/Name)** 774 / *USMC Joint National Training Capability (JNTC)*

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff			Date: April 2026
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	Project (Number/Name) 779 / *Joint Staff Live, Virtual and Constructive (JLVC) Modernization*	

COST ($ in Millions)	Prior Years	FY 2025	FY 2026	FY 2027 Base	FY 2027 OOC	FY 2027 Total	FY 2028	FY 2029	FY 2030	FY 2031	Cost To Complete	Total Cost
779: *Joint Staff Live, Virtual and Constructive (JLVC) Modernization*	19.858	104.837	69.641	62.660	-	62.660	67.618	68.449	71.954	71.813	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Live, Virtual and Constructive (JLVC) Modernization project was developed to address the joint operational training gaps identified in the 2022 China Task Force: Inability of current JLVC capabilities to replicate peer competitor capabilities/capacity at the appropriate classification levels, train to Joint Warfighting Concept (JWC) 3.0/4.0-identified Key Operational Problems (KOP) and Concept Required Capabilities (CRC) with existing JLVC training capability and Global Joint Training Infrastructure (GJTI). JLVC Modernization funding will be utilized to develop core data standardization, non-kinetic effects, exercise control, and fully informed simulation environment within the JLVC training capability while investing in Service and Combat Support Agency corresponding JLVC-compliant simulation all-domain capabilities. Additionally, JLVC Modernization funds will invest in rapid capability advancement via Industry and Academia, primarily through other transaction authorities (OTA) vehicles, to leverage Artificial Intelligence (AI) for a wide range of JLVC applications, from software integration, test and interoperability, scenario generation to AI-powered After-Action Review (AAR) and analysis.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Title: Joint Staff Live, Virtual and Constructive (JLVC) Modernization	104.837	69.641	62.660
Description: Joint Live, Virtual and Constructive (JLVC) modernization effort will develop and integrate joint training capabilities to enable all-domain collective training within Service and Combatant Command joint exercises. This modernization effort leverages the material development capabilities within the Services and Combat Support Agencies to mitigate or close the Joint Operational Training Gaps (JOTGs) identified in the China Task Force study. JLVC Modernization is essential to close validated joint training gaps for the Joint Force to train against pacing threats. The JLVC modernization effort includes the evaluation of innovative training technologies from Industry, academia and across the Services to ensure efficiency and incorporate technologies that supports the JLVC Modernization construct by focusing on standardizing simulations, data libraries and implementing cross domain solutions, incorporating Space, Cyber, realistic electromagnetic spectrum (EMS) and Information environments, and increasing capacity and integrating with Allies and partners ensuring the greatest value to the Department of War.			
FY 2026 Plans: The JLVC Modernization continued to aggressively tackle key JLVC technical, infrastructure, and policy gaps to enable high-end training for CCMD Tier 1 exercises. Modernization construct in FY 2026 focused on five levels of effort to close Joint Operational Training Gaps (JOTG) for CCMD Tier 1 training: 1) Fully Informed Simulation Environment (FISE), developing a cross domain-based simulation architecture to deliver OPLAN training capability from TS/SCI to SECRET//REL; 2) Non-Kinetic			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0804768J / *Joint Training, Exercise and Evaluation Program (JTEEP)*	**Project (Number/Name)** 779 / *Joint Staff Live, Virtual and Constructive (JLVC) Modernization*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Effects core capability development within the JLVC; 3) Standardizing JLVC Federation simulation data libraries to ensure data interoperability across the JLVC; 4) Modernizing Service and Combat Support Agencies' simulation systems for all-domain modeling, incorporating space, cyber, and realistic electromagnetic spectrum (EMS) and information environments; 5) Leverage other transaction authority (OTA) to invest in rapid AI technology integration. In support of capability delivery, an additional LOE (LOE6 (Capability Integration, Test & Delivery)) was added in FY 2026 to anchor JLVC Modernization's energies to delivering new capabilities, integrating capabilities into the exercise design and planning processes, and training personnel to use new JLVC features. LOE 1 (Fully Informed Simulation Environment) Objective: JLVC Modernization investment plan was developed to support Service and Combat Support Agency model development of TS/SCI-level platform, weapon, sensor, and Joint Fires capabilities. - Kickoff of JWICS Training Enclave expansion at JS J7 Suffolk to enable JLVC models and tools hosting at the TS/SCI level. - Kickoff of Phase 1 of the GoldenEye TS/SCI training network capability. Goal will be to extend the JWICS Training Enclave architecture from JS J7 Suffolk to two sites at INDOPACOM in Hawaii, one US Space Force site in Colorado Springs, and one site at Kirtland AFN (New Mexico) for the Distributed Mission Operations Center (DMOC). - SimShield 4.0 progression through NSA lab-based assessment testing for Raise the Bar (RTB) compliance. Once RTB is achieved in FY 2027, SimShield 4.0 will be installed on JTEN-S and the JWICS Training Enclave to begin integration with FISE capabilities. - High-end model development of TS/SCI capabilities in JS J7 JLVC models (JCATS, JLOD) and JTLS. - First use case of the expanded JWICS Training Enclave is scheduled for ELITE CONSTELLATION 2027. - First use case of FISE and GoldenEye capabilities is scheduled for ELITE CONSTELLATION 2027. - First use of GoldenEye at EUCOM, INDOPACOM, NORTHCOM, USSF Colorado Springs, Navy Warfare Development Command (NWDC), and 505th CTS (Hurlburt Field, FL) to enable TS/SCI distributed synthetic exercise capabilities. LOE 2 (Non-Kinetic Effects core capability) Objective: JLVC Modernization investment plan was developed to support Service and Combat Support Agency model development of JLVC NKE standards and SISO Cyber DEM standards. - Continue JTT integration of JLVC Mod NKE capabilities, user training, and acceptance testing. - First use case of NKE capability for ELITE CONSTELLATION 2026/2027. - Demonstrated Effects modeling (FOC): - Demo of NKE Architecture - CBRN Effect generated, traverse through notional guard - Federate receive, display, respond, impact - Demo of Space and Cyber NKE threads - Cyber Effect generated, traverse through guard, receive, display, respond, impact - Integration of NKE service and JLVC Federation service models.			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
- Integration of NKE service and JTT MSEL module. - Integration of NKE service and CyberBoss, CEACRAB models. - Use case development with Chairman's Joint Exercise Division (CJExD) personnel for implementation in INTERNAL LOOK 27. - DTRA MINES CBRN effects FOC capability integrated, tested, and operated within the JLVC. LOE 3 (Standardizing JLVC Federation Simulation Data) Objective: JLVC Modernization investment plan was developed to support the development and standardization of data of Service and Combat Support Agency models and simulation systems. - Utilization of the JLVC Delta Lakehouse to stimulate Maven Smart System (MSS) exercise data layers and collaboration requirements. - Utilization of the JLVC Delta Lakehouse to support AAR and analysis tool requirements across the OSW P&R and OSW R&E user spectrum that specifically support ELITE CONSTELLATION AAR requirements. - Continued coordination and integration with TRMC's CHEETAS data standard and TRMC data lake to support interoperable data sharing across training and test and evaluation data consumers. - First use case of data standards and Delta Lakehouse capability is scheduled for ELITE CONSTELLATION 2026 and 27. - Use of JLVC Data Lakehouse to support the Joint Learning and Adaptation Center (JLAC) and Joint Learning Platform (JLP) concept. LOE 4 (All Domain Modeling) Objective: JLVC Modernization investment plan was developed to support the hosting, development, and integration more robust all domain modeling in Service and Combat Support Agency models and simulation systems. - Space. Continued integration of US Space Force's Paladin (FY 2025/2026 funded) simulation system, acceptance testing, and delivery of Paladin IOC. - Space. Integration of US Space Force's SWARM model and integration of overall SWORD (SWARM and Paladin) capability into the JLVC architecture. - Space. Delivery of MDA improved (FY 2025/2026 funded) MDST and MDSIM simulation systems for integration into the JVLC architecture in ELITE CONSTELLATION 26. Kickoff MDA development of initial Golden Dome capability within MDST and MDSIM. - Space. Integration of NRO's NWARS2 into the JVLC architecture. - Space. First use case of Paladin, improved MDST, improved MDSIM, and NWARS2 capabilities in ELITE CONSTELLATION 26/27. - Space. First use case of MDST and MDSIM Golden Dome capability is scheduled for ELITE CONSTELLATION 2027. - Cyber. Integration of CyberBoss capability into the JLVC architecture. - Cyber. Initial delivery of CEACRAB capability.			

Exhibit R-2A, RDT&E Project Justification: PB 2027 The Joint Staff		Date: April 2026
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
- Cyber. First use case of CyberBoss capability is scheduled for ELITE CONSTELLATION 2027. - EMS. Integration of MACE into the JVLC architecture to support theater communications, electronic warfare, and air defense systems. - EMS. Stimulation of and testing with EMBM. - EMS. First use case of MACE capability in ELITE CONSTELLATION 27. - IO. Haydean IO tool integrated in FY 2027 with first use case in ELITE CONSTELLATION 27. - UxS. First use case of theater UxS capability in ELITE CONSTELLATION 26. - UxS. Integration of MITRE's SAIL lab (McLean, VA) for ELITE CONSTELLATION 27. The SAIL lab integrated a INDOPACOM/ SOCOM simulation exercise (Ender's Game) into the JLVC TS/SCI environment to support expert UxS modeling for EC27. LOE 5 (AI-powered Capability Development) Objective: FY 2027 JLVC Modernization investment plan was developed to continue rapid development, integration, testing, employment and utilization of both AI projects in run and in the development of AI-powered logistics modeling, advanced signals intelligence, JLVC Federation intelligent operators, and population/information environment modeling. - Maven Smart System (MSS). Development, testing, and integration of JVLC exercise data layers (GCCS, TADIL-J, Intel Messages / IBS feed, and logistics data layers) into the Maven Smart System. - MSS. Development of an integrated JTT application within the Maven Smart System. Development of integrated after-action review (AAR) capability with the JLVC. - MSS. Development of JLAC dashboard for use by the Deployable Training Team (DTD). - MSS. Initial development of the Joint Learning Platform (JLP). - Scenario Generation. Delivery of AI-powered of scenario generation capability within JTT. This will be a massive education and training effort to get JExD and exercise planners up to speed with new capability. - Smart OPFOR. Initial development of the AI-powered Smart OPFOR Commander capability. - ScaleAI. IOC capability of ScaleAI Donovan system on JWICS for integration with FISE capabilities. - Integrated JLVC data and JTT capabilities within MSS is scheduled for ELITE CONSTELLATION 26/27. - First use case of AI-powered Scenario Generation capability is scheduled for ELITE CONSTELLATION 27. - First use case of AI-powered Smart OPFOR capability is scheduled for ELITE CONSTELLATION 27. LOE 6 (Capability Integration, Test & Delivery) Objective: Support the Modernization Integration Technology Transition Team (MITT)with capability development, integration, and acceptance status and develop capability packages to support user training and capability integration as required. - Initial standup of MITT systems engineering team. - Startup of MITT Confluence and SharePoint status sites to track JLVC Modernization capability delivery status.			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
- Development of standard capability packages to include overall systems architecture, test plan, and initial user training documents. ***FY 2027 Plans:*** The JLVC Modernization project effort will continue development and fund additional Service and Combat Support Agency model improvements in all six LOEs with a goal of delivering capability to support ELITE CONSTELLATION 28 and all FY 2028 Tier 1 CCMD exercises. Key milestones and plans per LOE for FY 2028: LOE 1 (Fully Informed Simulation Environment) Objective: FY 2027 JLVC Modernization investment plan was developed to support delivery of GoldenEye FOC capability (Stage 3), development of a new Advanced JLVC Federation capability, and continued Service and Combat Support Agency model development of TS/SCI-level platform, weapon, sensor, and Joint Fires capabilities. FY 2028 Plans: The JLVC Modernization project effort will continue development and fund additional Service and Combat Support Agency model improvements in all six LOEs with a goal of delivering capability to support ELITE CONSTELLATION 28 and all FY 2028 Tier 1 CCMD exercises. Key milestones and plans per LOE for FY 2028: LOE 1 (Fully Informed Simulation Environment) Objective: FY 2027 JLVC Modernization investment plan was developed to support delivery of GoldenEye FOC capability (Stage 3), development of a new Advanced JLVC Federation capability, and continued Service and Combat Support Agency model development of TS/SCI-level platform, weapon, sensor, and Joint Fires capabilities. - FOC for JWICS Training Enclave expansion at JS J7 Suffolk to enable JLVC models and tools hosting at the TS/SCI level. - Kickoff of Phase 3 of the GoldenEye TS/SCI training network capability. Goal will be to extend the JWICS Training Enclave architecture from JS J7 Suffolk to over 20 sites across the globe creating a distributed TS/SCI training and wargaming capability. - High-end model development of TS/SCI capabilities in JS J7 JLVC models (CTSET, JSAF, NGC, MTWS). - Development of Wargaming Toolset for use in GoldenEye TS/SCI capability. The Wargame Toolset will be a default set of wargame planning, exercise control, wargame simulation, and AAR tools that cab used across the GoldenEye network. LOE 2 (Non-Kinetic Effects core capability)			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Objective: JLVC Modernization FY 2028 investment plan was developed to support Service and Combat Support Agency model development of JLVC NKE standards and SISO Cyber DEM standards and the integration of all-domain NKE models. This LOE will sunset following FY 2028. - Continue JTT integration of JLVC Mod NKE capabilities, user training, and acceptance testing. - Integration of Cyber and Space effect models with the NKE service. LOE 3 (Standardizing JLVC Federation Simulation Data) Objective: JLVC Modernization investment plan was developed to support the development and standardization of data of Service and Combat Support Agency models and simulation systems. This LOE will sunset following FY 2028. - Maturity of the JLVC Delta Lakehouse to stimulate Maven Smart System (MSS) exercise data layers and collaboration requirements. - Maturation of the JLVC Delta Lakehouse to support AAR and analysis tool requirements across the OSW P&R and OSW R&E user spectrum that specifically support ELITE CONSTELLATION AAR requirements. - Continued coordination and integration with TRMC's CHEETAS data standard and TRMC data lake to support interoperable data sharing across training and test and evaluation data consumers. - Delivery of JLVC Data Lakehouse to support the Joint Learning and Adaptation Center (JLAC) and Joint Learning Platform (JLP) concept. LOE 4 (All Domain Modeling) Objective: JLVC Modernization investment plan was developed to support the hosting, development, and integration more robust all domain modeling in Service and Combat Support Agency models and simulation systems. - Space. Integration of USSF mobile, virtual EW training system. - Space. Integration of USSF live range capabilities with the JLVC. Development of JLVC Space Range stimulation capability. - Space. Delivery of MDA's Golden Dome training capability; first use in ELITE CONSTELLATION 28. - Cyber. FOC delivery of CyberBoss capability into the JLVC architecture. - Cyber. FOC delivery of CEACRAB/SAOUCE capability. - Cyber. Integration of CYBERCOM's Persistent Cyber Training Environment (PCTE) Tier 4/5 training capability. - EMS. Further integration of MACE into the JVLC architecture to support theater communications, electronic warfare, and air defense systems. - EMS. Stimulation of and testing with EMBM. - EMS. First use case of MACE capability is scheduled for ELITE CONSTELLATION 2026/2027. - UxS. Development and integration of AI UxS capabilities. LOE 5 (AI-powered Capability Development)			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2025	FY 2026	FY 2027
Objective: FY 2028 JLVC Modernization investment plan was developed to continue rapid development, integration, testing, employment and utilization of both AI projects in run and in the development of AI-powered logistics modeling, advanced signals intelligence, JLVC Federation intelligent operators, and population/information environment modeling. - MSS. Development of MSS to support JLVC Federation management and exercise control. - MSS. Delivery of an API-based scenario planning data layer. - Smart OPFOR. FOC delivery of the AI-powered Smart OPFOR Commander capability. - Sim Operations AI/ML. JLVC Federation Object Model (FOM) development with target JLVC federations to support AI-issued simulation orders. - First use of MSS AAR capability is scheduled for ELITE CONSTELLATION 28. - First use case of AI-powered Smart INTEL capability is scheduled for ELITE CONSTELLATION 2028. LOE 6 (Capability Integration, Test & Delivery) Objective: Support the Modernization Integration Technology Transition Team (MITT)with capability development, integration, and acceptance status and develop capability packages to support user training and capability integration as required. - Continued development of standard capability packages to include overall systems architecture, test plan, and initial user training documents. ***FY 2026 to FY 2027 Increase/Decrease Statement:*** The cumulative effect of funding reductions and funding delays over two years has degraded JLVC Modernization's progress and presents risk to delivery of high-end training JLVC capability. This includes modernization of the entire JLCV synthetic training environment to better represent friendly and enemy capabilities in all domains, transition to a systems architecture that aligns to the DoW strategy, and efforts to mitigate or close the Joint Operational Training Gaps (JOTGs) identified in the China Task Force study. Full funding of $69M in FY 2028 is required to continue advanced modeling and simulation / exercise architecture development, capability integration, and testing for ELITE CONSTELLATION 28 and FY 2028 Tier 1 CCMD exercises.			
Accomplishments/Planned Programs Subtotals	104.837	69.641	62.660

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

JLVC-M has developed a deliberate acquisition strategy that leverages existing and competitive award contracts through the Joint Staff and the Services. Importantly, fully resourcing the JLVC Modernization authorization is critical to delivering the technical environment required for ELITE CONSTELLATION on time. The strategy integrates industry proven technology and expertise by using Service Agency agreements with the Army Combat Capabilities Development Command (DEVCOM), Navy

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Systems Commands, DTIC IAC MAC, Other Transaction Authorities (OTA's), Fleet Logistics Center Philadelphia (FLC), and Johns Hopkins University partnering using Cooperative Research Development Agreements (CRADAs) The acquisition strategy addresses the technical, business and program reporting requirements to ensure accountability and transparency of the JLVC-M program through its intended lifecycle. These partners allow the program to accelerate development without significant growth on the JLVC program. They also help uniquely close the JOTGs identified previously and can pinpoint specific shortcomings in the status quo needed to bring the joint training community to a common standard. These gaps are unique to the training community and not being closed by other simulation modernization efforts within the DoW. Most notably, modernization efforts to close T&E gaps on the technical facets of their simulations, have not had a similar positive impact on the training audience, which our approach solves by addressing the issues unique to the JTEEP community.

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