Department of Defense
Fiscal Year (FY) 2023 Budget Estimates

April 2022

Defense Information Systems Agency

Defense-Wide Justification Book Volume 5 of 5

Research, Development, Test & Evaluation, Defense-Wide

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Defense Contract Management Agency..... Volume 5

Defense Counterintelligence and Security Agency.....Volume 5

Defense Information Systems Agency.....Volume 5

Defense Logistics Agency.....Volume 5

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Defense Technical Information Center.....Volume 5

Defense Threat Reduction Agency.....Volume 5

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Department of Defense
FY 2023 President's Budget
Exhibit R-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

05 Apr 2022

Appropriation	FY 2021 (Base + OCO)	FY 2022 Less Supplementals Enactment	FY 2022 Division B Division C P.L.117-43 Enactment*	FY 2022 Division B P.L.117-70 Enactment**	FY 2022 Division A P.L. 117-86 Enactment***	FY 2022 Division N P.L. 117-103 Enactment****
Research, Development, Test & Eval, DW	424,909	329,587				
Total Research, Development, Test & Evaluation	424,909	329,587				

R-123PBP: FY 2023 President's Budget (Total Base Published Version), as of April 5, 2022 at 12:26:28
*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).
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Department of Defense
FY 2023 President's Budget
Exhibit R-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

05 Apr 2022

Appropriation	FY 2022 Total Supplemental Enactment	FY 2022 Total Enactment	FY 2023 Request
Research, Development, Test & Eval, DW		329,587	207,275
Total Research, Development, Test & Evaluation		329,587	207,275

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Department of Defense
FY 2023 President's Budget
Exhibit R-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

05 Apr 2022

Summary Recap of Budget Activities	FY 2021 (Base + OCO)	FY 2022 Less Supplementals Enactment	FY 2022 Division B Division C P.L.117-43 Enactment*	FY 2022 Division B P.L.117-70 Enactment**	FY 2022 Division A P.L. 117-86 Enactment***	FY 2022 Division N P.L. 117-103 Enactment****
Management Support	32,698	76,775				
Operational Systems Development	392,211	220,038				
Software And Digital Technology Pilot Programs		32,774				
Total Research, Development, Test & Evaluation	424,909	329,587				
Summary Recap of FYDP Programs						
General Purpose Forces	97,369	55,361				
Intelligence and Communications	192,935	121,444				
Research and Development	128,239	148,447				
Central Supply and Maintenance	1,654	1,690				
Administration and Associated Activities	2,013	2,645				
Space	2,699					
Total Research, Development, Test & Evaluation	424,909	329,587				

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Department of Defense
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05 Apr 2022

Summary Recap of Budget Activities	FY 2022 Total Supplemental Enactment	FY 2022 Total Enactment	FY 2023 Request
Management Support		76,775	92,082
Operational Systems Development		220,038	80,206
Software And Digital Technology Pilot Programs		32,774	34,987
Total Research, Development, Test & Evaluation		329,587	207,275

Summary Recap of FYDP Programs			
General Purpose Forces		55,361	69,698
Intelligence and Communications		121,444	131,546
Research and Development		148,447	
Central Supply and Maintenance		1,690	1,620
Administration and Associated Activities		2,645	3,141
Space			1,270
Total Research, Development, Test & Evaluation		329,587	207,275

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Defense-Wide
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Management Support	32,698	76,775				
Operational Systems Development	392,211	220,038				
Software And Digital Technology Pilot Programs		32,774				
Total Research, Development, Test & Evaluation	424,909	329,587				
Summary Recap of FYDP Programs						
General Purpose Forces	97,369	55,361				
Intelligence and Communications	192,935	121,444				
Research and Development	128,239	148,447				
Central Supply and Maintenance	1,654	1,690				
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Defense-Wide
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Total Research, Development, Test & Evaluation	424,909	329,587				

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Appropriation	FY 2022 Total Supplemental Enactment	FY 2022 Total Enactment	FY 2023 Request
Defense Information Systems Agency		329,587	207,275
Total Research, Development, Test & Evaluation		329,587	207,275

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Defense-Wide
FY 2023 President's Budget
Exhibit R-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

05 Apr 2022

Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2021 (Base + OCO)	FY 2022 Less Supplementals Enactment	FY 2022 Division B Division C P.L.117-43 Enactment*	FY 2022 Division B P.L.117-70 Enactment**	FY 2022 Division A P.L. 117-86 Enactment***	FY 2022 Division N P.L. 117-103 Enactment****	Sec
183	0208045K	C4I Interoperability	06	21,516	55,361					U
189	0305172K	Combined Advanced Applications	06	7,462	15,696					U
191	0305208K	Distributed Common Ground/Surface Systems	06	3,112	3,073					U
195	0903235K	Joint Service Provider (JSP)	06	608	2,645					U
		Management Support		32,698	76,775					
197	0604532K	Joint Artificial Intelligence	07	128,239	148,447					U
205	0208045K	C4I Interoperability	07	75,853						U
209	0302019K	Defense Info Infrastructure Engineering and Integration	07	17,080	16,233					U
210	0303126K	Long-Haul Communications - DCS	07	10,343	10,275					U
211	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	5,392	4,892					U
215	0303140K	Information Systems Security Program	07	6,217	5,707					U
216	0303150K	Global Command and Control System	07	73,630	4,150					U
217	0303153K	Defense Spectrum Organization	07	18,123	19,302					U
218	0303167K	Pre-Auction Spectrum Relocation Fund	07	247						U
219	0303228K	Joint Regional Security Stacks (JRSS)	07	12,433	9,342					U

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Defense-Wide
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(Dollars in Thousands)

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2022 Total Supplemental Enactment	FY 2022 Total Enactment	FY 2023 Request	Sec
183	0208045K	C4I Interoperability	06		55,361	69,698	U
189	0305172K	Combined Advanced Applications	06		15,696	16,171	U
191	0305208K	Distributed Common Ground/Surface Systems	06		3,073	3,072	U
195	0903235K	Joint Service Provider (JSP)	06		2,645	3,141	U
		Management Support			76,775	92,082	
197	0604532K	Joint Artificial Intelligence	07		148,447		U
205	0208045K	C4I Interoperability	07				U
209	0302019K	Defense Info Infrastructure Engineering and Integration	07		16,233	19,145	U
210	0303126K	Long-Haul Communications - DCS	07		10,275	13,195	U
211	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07		4,892	5,746	U
215	0303140K	Information Systems Security Program	07		5,707	7,005	U
216	0303150K	Global Command and Control System	07		4,150	10,020	U
217	0303153K	Defense Spectrum Organization	07		19,302	19,708	U
218	0303167K	Pre-Auction Spectrum Relocation Fund	07				U
219	0303228K	Joint Regional Security Stacks (JRSS)	07		9,342		U

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2021 (Base + OCO)	FY 2022 Less Supplementals Enactment	FY 2022 Division B Division C P.L.117-43 Enactment*	FY 2022 Division B P.L.117-70 Enactment**	FY 2022 Division A P.L. 117-86 Enactment***	FY 2022 Division N P.L. 117-103 Enactment****	Sec
220	0303267K	Auctioned Spectrum Relocation Fund	07	6,858						U
222	0303667K	Citizen Broadband Radio System	07	16,501						U
235	0305172K	Combined Advanced Applications	07	12,582						U
243	0305208K	Distributed Common Ground/Surface Systems	07	2,955						U
247	0305251K	Cyberspace Operations Forces and Force Support	07							U
257	0708012K	Logistics Support Activities	07	1,654	1,690					U
260	0903235K	Joint Service Provider (JSP)	07	1,405						U
273	1203610K	Teleport Program	07	2,699						U
		Operational Systems Development		392,211	220,038					
277	0303150K	Global Command and Control System	08		32,774					U
		Software And Digital Technology Pilot Progr			32,774					
Total Research, Development, Test & Eval, DW				424,909	329,587					

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Defense-Wide
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Line No	Program Element Number	Item	Act	FY 2022 Total Supplemental Enactment	FY 2022 Total Enactment	FY 2023 Request	Sec
220	0303267K	Auctioned Spectrum Relocation Fund	07				U
222	0303667K	Citizen Broadband Radio System	07				U
235	0305172K	Combined Advanced Applications	07				U
243	0305208K	Distributed Common Ground/Surface Systems	07				U
247	0305251K	Cyberspace Operations Forces and Force Support	07			2,497	U
257	0708012K	Logistics Support Activities	07		1,690	1,620	U
260	0903235K	Joint Service Provider (JSP)	07				U
273	1203610K	Teleport Program	07			1,270	U
		Operational Systems Development			220,038	80,206	
277	0303150K	Global Command and Control System	08		32,774	34,987	U
		Software And Digital Technology Pilot Progr			32,774	34,987	
Total Research, Development, Test & Eval, DW					329,587	207,275	

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Defense Information Systems Agency
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183	0208045K	C4I Interoperability	06	21,516	55,361					U
189	0305172K	Combined Advanced Applications	06	7,462	15,696					U
191	0305208K	Distributed Common Ground/Surface Systems	06	3,112	3,073					U
195	0903235K	Joint Service Provider (JSP)	06	608	2,645					U
Management Support				32,698	76,775					
197	0604532K	Joint Artificial Intelligence	07	128,239	148,447					U
205	0208045K	C4I Interoperability	07	75,853						U
209	0302019K	Defense Info Infrastructure Engineering and Integration	07	17,080	16,233					U
210	0303126K	Long-Haul Communications - DCS	07	10,343	10,275					U
211	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	5,392	4,892					U
215	0303140K	Information Systems Security Program	07	6,217	5,707					U
216	0303150K	Global Command and Control System	07	73,630	4,150					U
217	0303153K	Defense Spectrum Organization	07	18,123	19,302					U
218	0303167K	Pre-Auction Spectrum Relocation Fund	07	247						U
219	0303228K	Joint Regional Security Stacks (JRSS)	07	12,433	9,342					U

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189	0305172K	Combined Advanced Applications	06		15,696	16,171	U
191	0305208K	Distributed Common Ground/Surface Systems	06		3,073	3,072	U
195	0903235K	Joint Service Provider (JSP)	06		2,645	3,141	U
	Management Support				76,775	92,082	
197	0604532K	Joint Artificial Intelligence	07		148,447		U
205	0208045K	C4I Interoperability	07				U
209	0302019K	Defense Info Infrastructure Engineering and Integration	07		16,233	19,145	U
210	0303126K	Long-Haul Communications - DCS	07		10,275	13,195	U
211	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07		4,892	5,746	U
215	0303140K	Information Systems Security Program	07		5,707	7,005	U
216	0303150K	Global Command and Control System	07		4,150	10,020	U
217	0303153K	Defense Spectrum Organization	07		19,302	19,708	U
218	0303167K	Pre-Auction Spectrum Relocation Fund	07				U
219	0303228K	Joint Regional Security Stacks (JRSS)	07		9,342		U

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222	0303667K	Citizen Broadband Radio System	07	16,501						U
235	0305172K	Combined Advanced Applications	07	12,582						U
243	0305208K	Distributed Common Ground/Surface Systems	07	2,955						U
247	0305251K	Cyberspace Operations Forces and Force Support	07							U
257	0708012K	Logistics Support Activities	07	1,654	1,690					U
260	0903235K	Joint Service Provider (JSP)	07	1,405						U
273	1203610K	Teleport Program	07	2,699						U
		Operational Systems Development		392,211	220,038					
277	0303150K	Global Command and Control System	08		32,774					U
		Software And Digital Technology Pilot Programs			32,774					
		Total Defense Information Systems Agency		424,909	329,587					

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243	0305208K	Distributed Common Ground/Surface Systems	07				U
247	0305251K	Cyberspace Operations Forces and Force Support	07			2,497	U
257	0708012K	Logistics Support Activities	07		1,690	1,620	U
260	0903235K	Joint Service Provider (JSP)	07				U
273	1203610K	Teleport Program	07			1,270	U
		Operational Systems Development			220,038	80,206	
277	0303150K	Global Command and Control System	08		32,774	34,987	U
		Software And Digital Technology Pilot Programs			32,774	34,987	
		Total Defense Information Systems Agency			329,587	207,275	

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189	06	0305172K	Combined Advanced Applications	Volume 5 - 9
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195	06	0903235K	Joint Service Provider	Volume 5 - 17

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

Line #	Budget Activity	Program Element Number	Program Element Title	Page
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209	07	0302019K	Defense Info. Infrastructure Engineering and Integration	Volume 5 - 29
210	07	0303126K	Long-Haul Communications - DCS	Volume 5 - 55
211	07	0303131K	Minimum Essential Emergency Communications Network (MEECN)	Volume 5 - 69
215	07	0303140K	Information Systems Security Program	Volume 5 - 75
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Line #	Budget Activity	Program Element Number	Program Element Title	Page
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219	07	0303228K	Joint Information Environment	Volume 5 - 115
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247	07	0305251K	Cyberspace Operations Forces and Force Support	Volume 5 - 129
257	07	0708012K	Logistics Support Activities	Volume 5 - 135
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Combined Advanced Applications	0305172K	189	06	Volume 5 - 9
Cyberspace Operations Forces and Force Support	0305251K	247	07	Volume 5 - 129
Defense Info. Infrastructure Engineering and Integration	0302019K	209	07	Volume 5 - 29
Defense Spectrum Organization	0303153K	217	07	Volume 5 - 97
Distributed Common Ground/Surface Systems	0305208K	191	06	Volume 5 - 13
Global Command and Control System	0303150K	216	07	Volume 5 - 85
Global Command and Control System Software and Digital Technology Pilot Programs	0303150K	277	08	Volume 5 - 153
Information Systems Security Program	0303140K	215	07	Volume 5 - 75
Joint Artificial Intelligence Center (JAIC)	0604532K	197	07	Volume 5 - 21
Joint Information Environment	0303228K	219	07	Volume 5 - 115
Joint Service Provider	0903235K	195	06	Volume 5 - 17
Logistics Support Activities	0708012K	257	07	Volume 5 - 135
Long-Haul Communications - DCS	0303126K	210	07	Volume 5 - 55
Minimum Essential Emergency Communications Network (MEECN)	0303131K	211	07	Volume 5 - 69

Program Element Title	Program Element Number	Line #	BA	Page
Pre-Auctioned Spectrum Relocation Fund	0303167K	218	07	Volume 5 - 109
Teleport Program	1203610K	273	07	Volume 5 - 141

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0208045K / *C4I Interoperability*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	0.000	21.516	55.361	69.698	-	69.698	65.150	64.926	74.439	77.143	Continuing	Continuing
T-30: *MRTFB Test and Evaluation*	0.000	21.516	1.790	2.154	-	2.154	2.159	2.140	2.139	2.184	Continuing	Continuing
T-40: *Major Range Test Facility Base Operations*	0.000	0.000	53.571	67.544	-	67.544	62.991	62.786	72.300	74.959	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Information Systems Agency's Joint Interoperability Test Command (JITC) serves as the only joint element of the Department of Defense's (DoD's) Major Range and Test Facility Base (MRTFB) that is operated primarily for Information Technology and National Security Systems (IT/NSS) Test and Evaluation (T&E) support missions. JITC executes the T&E mission in support of Command, Control, Communications, Computers and Intelligence (C4I), and is the DoD's Sole Interoperability Certifier and the only Non-Service Operational Test Agency.

With a focus on T&E for IT, JITC has the unique mission to provide consistent, structured, and effective T&E services that include converged information environment, Cyber, Cloud services, Mobility and NSS. JITC also has the responsibility for ensuring Joint/Coalition interoperability; issuing interoperability certifications; conducting operational evaluations; maintaining a federated IT infrastructure as a MRTFB activity and providing direct interoperability support to the warfighter by ensuring Joint warfighting capabilities are interoperable and support mission needs.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	21.516	55.361	0.000	-	0.000
Current President's Budget	21.516	55.361	69.698	-	69.698
Total Adjustments	0.000	0.000	69.698	-	69.698
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	0.000	-	69.698	-	69.698

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0208045K *I C4I Interoperability*

The increase of $14.337 in FY 2023 supports facility improvements at Ft. Huachuca, AZ and modernization of test infrastructure .

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0208045K / *C4I Interoperability*	Project (Number/Name) T-30 / *MRTFB Test and Evaluation*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
T-30: *MRTFB Test and Evaluation*	0.000	21.516	1.790	2.154	-	2.154	2.159	2.140	2.139	2.184	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Defense Information Systems Agency (DISA), through the Joint Interoperability Test Command (JITC), manages the Department's Interoperability Test, Evaluation, and Certification process that is structured to provide meaningful and independent test results in order to increase stakeholder confidence. The objectives, of the Test and Evaluation (T&E) activities, are to validate that DISA's (and the Department's, where appropriate) deliverables have met operational requirements. The T&E activities target evaluation strategies in the design, development, operational, integration and/or sustainment aspects of every program requiring support. DISA's T&E efforts span a variety of test categories supporting DISA's delivery of Department-wide enterprise solutions as well as Service, Agency, and mission partner developmental, operational, Information Assurance, and interoperability testing, validation and certification efforts. These efforts are focused on T&E for Information Technology (IT) that includes the Joint Information Environment (JIE), Cyber, Cloud services, and Mobility.

As the Department of Defense (DoD) Joint Interoperability Certification Authority, JITC annually:
- Issues hundreds of interoperability testing and certification related products.
- Manages the scheduling and executes multiple annual distributed Joint Tactical Data Link hardware in the loop interoperability test events. These events are designed to evaluate, certify and re-certify Service/Agency Tactical Data systems.
- Reviews hundreds of Joint Capabilities Integration and Development System documents, interoperability support plans and Legacy Waiver requests on behalf of the DoD Chief Information Officer (CIO) and the Joint Staff.
- Serves as executive agent to DoD Interoperability Steering Group, in support of the DoD CIO, and uses this forum to coordinate policy, adjudicate issues, and to process Interim Certificates to Operate.
- Ensures interoperability test and certification standard practices and procedures are in accordance with DoD policy, and reviews and issues over 600 Joint interoperability certifications annually for DoD's Information Technology and National Security Systems (IT/NSS).
- Manages the scheduling and prioritization of multiple annual distributed Joint Tactical Data Link simulated test events using real components (hardware in the loop interoperability test events) designed to evaluate, certify and re-certify Service/Agency Tactical systems.

JITC provides interoperability test support to Joint, Coalition and Allied operations in theater by providing Interoperability test support within the area of responsibility and supports exercises intended to evaluate Joint, Coalition and Allied operations in, or planning to deploy to theater by:
- Providing on-demand rapid response contingency support to Regional Combatant Commands (COCOMs) as required, and conducting assessments of interoperability exercises.
- Conducting assessments during one of the largest interoperability exercises (the Endeavors).
- Broadening its support to the Joint Staff and functional COCOMs with a multitude of interoperability assessment services.
- Maintaining a 24x7 Warfighter Command, Control, Communications, Computers and Intelligence (C4I) Interoperability Hotline that connects warfighters to subject matter experts to resolve IT interoperability challenges.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0208045K / *C4I Interoperability*	**Project (Number/Name)** T-30 / *MRTFB Test and Evaluation*

• Establishing the framework for the conduct of annual independent evaluations and the status of interoperability through DoD Interoperability Communications Exercises (DICE).
• Emulating a distributed Joint Task Force network, providing realism and operational significance during the assessments and evaluations of data integrity, interfacing and responsiveness coupled with efficient configuration tactics, techniques, and procedures.
• Including first responder local and federal communications as part of the task force.

As the only non-Service Operational Test Agency (OTA) within DoD, JITC conducts operational testing of IT/NSS under realistic conditions to determine the operational effectiveness, suitability, interoperability, and security; and independently assesses the operational impact of system issues on mission accomplishment. JITC is the OTA for DISA-managed programs, and also upon request serves as the OTA for other Agencies such as the Defense Logistics Agency, Department of Homeland Security, and the National Security Agency.

JITC designs Operational Test and Evaluation (OT&E) events to determine if IT/NSS meet user requirements, offering sustaining support services to users to assist Acquisition Program Managers with meeting their overall milestone objectives.

JITC focuses its efforts towards core T&E improvements, better T&E policy for IT/NSS and designing new test methodologies to better assess Enterprise Service systems, aligning with the Information Technology Service Management model evaluating fulfillment services for suitability.

The T&E project supports the strategy development and investment plans in support of maintaining, improving and operating the DISA Major Range and Test Facility Base (MRTFB). Specific goals for DISA's MRTFB each year are to:
• Integrate evolving technologies that are able to leverage efficiencies such as virtualization, enterprise elements such as Infrastructure as a Service and Platform as a Service, and the foundational Cyber assets mandated by the JIE.
• Expand test infrastructure and operations to allow for rapid, on-demand provisioning, and federation across the DoD and Cyber integration with enterprise environments.
• Design consistent, repeatable test methodologies that ensure efficient T&E on changing or emerging technologies.
• Provide T&E guidance/oversight to nearly 130 DISA programs, creating synergy and efficiencies across the large DISA IT portfolio, gaining insight in new technologies and commercial best practices.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: DoD's Joint Interoperability Certification Authority	0.000	0.873	1.074
Description: Plans and executes interoperability certifications for Department of Defense's (DoD)) Information Technology and National Security Systems (IT/NSS) by evaluating joint military operations, conformance to standards, and participating in developmental testing or executing purposefully planned Interoperability Test Events.			
FY 2022 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0208045K / *C4I Interoperability*	**Project (Number/Name)** T-30 / *MRTFB Test and Evaluation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Will evolve customer accessibility through enhanced T&E capabilities by employing automation technologies to include cloud and DevSecOps testing services. Continue to reduce risk and identify/analyze trends by employing new technology and methodology to conduct data analysis in the operational environment. ***FY 2023 Plans:*** Continue to evolve customer accessibility through enhanced T&E capabilities by employing automation technologies for cloud testing services and to expand cybersecurity survivability testing services. Continue to reduce risk and identify/analyze trends by employing new technology and methodology to conduct data analysis in the operational environment. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $0.201 from FY 2022 to FY 2023 supports improvements in test methodology and data analysis techniques.			
Title: Operational Test and Evaluation ***Description:*** Conduct operational testing of IT/NSS under realistic operational conditions to determine the operational effectiveness, suitability, interoperability, and security of a particular system. Independently assesses the operational impact of system issues on mission accomplishment. ***FY 2022 Plans:*** Will enhance OT&E processes, procedures, and tools by increasing automation and utilizing virtualization as needed, to better evaluate performance and to improve operational testing capabilities for evolving requirements. Provide OT&E support to COCOMs, Military Services, and Defense Agencies as requested. ***FY 2023 Plans:*** Continue to enhance OT&E processes, procedures, and tools by increasing automation and utilizing virtualization as needed, to better evaluate performance and to improve operational testing capabilities for evolving requirements. Provide OT&E support to COCOMs, Military Services, and Defense Agencies as requested. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $0.153 from FY 2022 to FY 2023 supports improvements in use of automation technologies.	0.370	0.846	0.999
Title: Support to Warfighter ***Description:*** Provides pre/post-production evaluations including: collecting relevant data during a continuous monitoring effort, and providing on-the-spot evaluations of problem areas and viable mission-oriented solutions to warfighting COCOMs during exercises and contingency operations. ***FY 2022 Plans:***	21.146	0.071	0.081

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0208045K / *C4I Interoperability*	**Project (Number/Name)** T-30 / *MRTFB Test and Evaluation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Support will focus primarily on the Geographic Combatant Commands and their regional partners consistent with the National Defense Strategy. Will sustain a Warfighter Support capability sufficient to respond to critical fielded system interoperability issues. ***FY 2023 Plans:*** Continue to focus primarily on the Geographic Combatant Commands and their regional partners consistent with the National Defense Strategy. Will sustain a Warfighter Support capability sufficient to respond to critical fielded system interoperability issues. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $0.010 from FY 2022 to FY 2023 is due to normal economic cost growth adjustments.			
Accomplishments/Planned Programs Subtotals	21.516	1.790	2.154

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

Test, Evaluation, and Certification (TEC) indefinite delivery/indefinite quantity contract provides T&E support by performing a wide range of non-personal services to encompass testing, scientific, engineering, logistic, administrative, and ancillary support of the DISA T&E missions. The TEC contract provides for expansion and contraction of staff years as workload dictates. An additional contract is a Federal Preferential Sole Source Procurement set-aside which provides consolidated facilities support.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0208045K / *C4I Interoperability*	Project (Number/Name) T-40 / *Major Range Test Facility Base Operations*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
T-40: *Major Range Test Facility Base Operations*	0.000	0.000	53.571	67.544	-	67.544	62.991	62.786	72.300	74.959	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

As the only non-Service activity of the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB), Defense Information Systems Agency (DISA) provides the only dedicated Information Technology (IT) environment investing in a single end-to-end infrastructure for testing the Enterprise Edge to the Tactical Edge. As an MRTFB, Joint Interoperability Test Command (JITC) provides tested IT infrastructure products to the DoD, Federal/non-Federal Government, Commercial vendors, and Allied partners.

The DISA MRTFB infrastructure:

- Encompasses two geographic locations (Ft. Huachuca, AZ; Ft. Meade, MD).
- 116K square feet of raised floor space comprised of multiple test environments and test networks supporting over 100 programs on an annual basis.
- Complies with multiple levels of security and is scaled to support approximately 1,000 annual testing events to evaluate the DoD's converged information environment, Cyber, Cloud services, Mobility, and National Security Systems (NSS).
- Encompasses a significant portfolio of reference implementations, test tools, and supporting IT systems to aid both test execution and data collection/analysis.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: MRTFB Improvements and Operations	0.000	53.571	67.544
Description: Information Technology and National Security Systems (IT/NSS), Command and Control (C2), Defense reform initiatives, and the Department of Defense's (DoD's) migration towards more agile development and acquisition of IT capabilities by providing Test and Evaluation (T&E) support, including infrastructure, testing capabilities and events, policies and processes to Regional Combatant Commands (COCOMS), Military Services, DoD Agencies, other Federal Government agencies, private industry, Coalition partners and allies.			
FY 2022 Plans: As an MRTFB, JITC will operate the DISA IT Test infrastructure standardized test bed at Fort George G. Meade, MD and Fort Huachuca, AZ. JITC will support the Agency and the Department with the use of cloud technologies to provide seamless distributed testing services and efficient use of testing equipment and resources. JITC maintain technical workforce, support base operations, communications, and operating expenses at each location.			
FY 2023 Plans: As an MRTFB, JITC will operate the DISA IT Test infrastructure standardized test bed at Fort George G. Meade, MD and Fort Huachuca, AZ. JITC will support the Agency and the Department with the use of cloud technologies to provide seamless			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0208045K / *C4I Interoperability*	**Project (Number/Name)** T-40 / *Major Range Test Facility Base Operations*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
distributed testing services and expand/modernize test automation and equipment. JITC maintain technical workforce, support base operations, communications, and operating expenses at each location. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $13.973 in FY 2022 to FY 2023 is attributed to facility projects at Ft. Huachuca, AZ in preparation for JITC MILCON pay adjustment and expansion/modernization of test automation and equipment.			
Accomplishments/Planned Programs Subtotals	0.000	53.571	67.544

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

Test, Evaluation, and Certification (TEC) indefinite delivery/indefinite quantity contract provides T&E support by performing a wide range of non-personal services to encompass testing, scientific, engineering, logistic, administrative, and ancillary support of the DISA T&E missions. The TEC contract provides for expansion and contraction of staff years as workload dictates. An additional contract is a Federal Preferential Sole Source Procurement set-aside which provides consolidated facilities support.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0305172K / *Combined Advanced Applications*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	109.228	7.462	15.696	16.171	-	16.171	5.792	6.035	6.208	6.336	Continuing	Continuing
CA1: *Combined Advanced Applications*	99.228	7.462	5.696	16.171	-	16.171	5.792	6.035	6.208	6.336	Continuing	Continuing
FM1: *Financial Management Systems*	10.000	0.000	10.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

Combined Advanced Applications is classified and exhibit will be provided under a separate cover.

Financial Management Systems will acquire support for the modernization of the financial account management information system capability. The new procurement will use a single step to full capability approach and execute in accordance with the Component Acquisition Executive (CAE) Guideline for Projects. This Acquisition Strategy provides the business and technical management approach to achieve program objectives within resource constraints. The financial business area is currently supported by multiple legacy systems operating on platforms with associated performance issues such as high cost, technology support issues, unsupportable interoperability, and high risk of failure. In addition, various federal financial management and Department of Defense requirements (e.g., Business Enterprise Architecture (BEA)); the Treasury Department's Invoice Processing Platform).

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	7.462	15.696	0.000	-	0.000
Current President's Budget	7.462	15.696	16.171	-	16.171
Total Adjustments	0.000	0.000	16.171	-	16.171
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	0.000	-	16.171	-	16.171

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.

This program is Classified and exhibit will be provided under a separate cover.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0305172K / *Combined Advanced Applications*	Project (Number/Name) CA1 / *Combined Advanced Applications*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
CA1: *Combined Advanced Applications*	99.228	7.462	5.696	16.171	-	16.171	5.792	6.035	6.208	6.336	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Program is classified and exhibit will be provided under a separate cover.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Combined Advanced Applications	7.462	5.696	16.171
Description: Classified. ***FY 2022 Plans:*** Classified. ***FY 2023 Plans:*** Classified. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Classified.			
Accomplishments/Planned Programs Subtotals	7.462	5.696	16.171

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

Classified

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0305172K / *Combined Advanced Applications*	Project (Number/Name) FM1 / *Financial Management Systems*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
FM1: *Financial Management Systems*	10.000	0.000	10.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Program is classified and exhibit will be provided under a separate cover.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Financial Management Systems - Test and Development	-	10.000	0.000
Description: Classified. ***FY 2022 Plans:*** Classified. ***FY 2023 Plans:*** Classified. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Classified.			
Accomplishments/Planned Programs Subtotals	-	10.000	0.000

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 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0305208K / *Distributed Common Ground/Surface Systems*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	0.000	3.112	3.073	3.072	-	3.072	3.132	3.194	3.193	3.258	Continuing	Continuing
NF1: *Distributed Common Ground/Surface Systems*	0.000	3.112	3.073	3.072	-	3.072	3.132	3.194	3.193	3.258	Continuing	Continuing

A. Mission Description and Budget Item Justification

As the sole joint interoperability certification agent, the Joint Interoperability Test Command (JITC) provides Test and Evaluation (T&E) services to the Distributed Common Ground/Surface Systems (DCGS) Family of Systems (FoS). The DCGS FoS is the major component of the Defense Intelligence Information Enterprise (DI2E) which is modernizing operations to a single, unified Common Data Fabric (CDF) or centralized data management strategy, from the legacy DCGS Integration Backbone (DIB) federation. The CDF provides Enterprise Intelligence, Surveillance, and Reconnaissance (ISR) data to consuming machines and applications throughout the DI2E and is a critical component of the Defense Intelligence Digital Transformation implementation. This effort includes T&E of DI2E modernization initiatives integrated to advance the transformation of the entire enterprise from a collection of component-unique systems to an integrated Global ISR Enterprise for joint operations.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	3.112	3.073	0.000	-	0.000
Current President's Budget	3.112	3.073	3.072	-	3.072
Total Adjustments	0.000	0.000	3.072	-	3.072
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	0.000	-	3.072	-	3.072

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.
The decrease of -$0.001 in FY 2023 is due to a technical adjustment.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0305208K / *Distributed Common Ground/Surface Systems*	Project (Number/Name) NF1 / *Distributed Common Ground/Surface Systems*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
NF1: *Distributed Common Ground/Surface Systems*	0.000	3.112	3.073	3.072	-	3.072	3.132	3.194	3.193	3.258	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

JITC coordinates with the Military Services and Defense Intelligence Agencies to conduct DCGS FoS testing and analysis, including event coordination, configuration, and instrumentation through the Enterprise Integration and Test Capability (EITC). Under the guidance of the Office of the Under Secretary of Defense for Intelligence and Security (OUSD(I&S)), this effort, referred to as the DCGS Test and Evaluation Focus Team (T&E FT), is composed of three parts: the EITC Focus Group, providing and sustaining enterprise-level T&E requirements analysis, instrumentation, and automation; the Strategy Focus Group, evaluating current and future net-enabled enterprise T&E methods and capabilities; and the Execution Focus Group, which leverages the other groups' methodologies and tools in executing DCGS Enterprise assessment events, such as ENTERPRISE STORM (ES), the premier Defense Intelligence Enterprise demonstration series to promote interoperability and integration between the Military Services, Defense Intelligence Agencies, Five Eye Allies (FVEY) and Select Coalition Partners. These efforts improve systems engineering and T&E throughout all phases of the DCGS life-cycle, resulting in improved capabilities to share net-centric data and services among and between components of the DCGS FoS, the overarching DI2E, and Joint All-Domain Command and Control (JADC2) capabilities.

The T&E FT engineers and operates the EITC, instrumenting and evaluating DI2E compliance with enterprise Service DCGS Net-Ready Key Performance Parameter elements, and joint needs. Develops testing concepts and strategies to determine compliance with emergent Global ISR Enterprise attributes, and applicable joint interoperability standards in operational or operationally representative environments. Provides a forum to advocate, coordinate, and synchronize use of existing Department of Defense and Service Test Facilities such as those available through the Test Resource Management Center to advance science, technology, modeling, and simulation technologies to improve Global ISR Enterprise test capabilities, capacity, and integration.

The T&E FT supports ES demonstrations and evaluation of capabilities relying on the Defense Intelligence Agency's CDF, the Joint Worldwide Intelligence Communications System, and the Battlefield Information Collection and Exploitation System to characterize the state of DI2E operations, ISR programs, and partner interoperability as they incorporate multi-domain Continuous Integration / Continuous Delivery (CI/CD) DevSecOps pipelines. Assesses capabilities that can effectively transition to operations within 6-12 months. Supports DCGS Enterprise-wide acquisitions that implement digital modernization strategies and evaluate DI2E integration with JADC2 initiatives.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Distributed Common Ground/Surface Systems (DCGS)	3.112	3.073	3.072
Description: The T&E FT supports ES demonstrations and evaluation of capabilities relying on the Defense Intelligence Agency's CDF, the Joint Worldwide Intelligence Communications System, the Secret Internet Protocol Router Network, and the Battlefield Information Collection and Exploitation System to characterize the state of DI2E operations, ISR programs, and partner			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0305208K / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** NF1 / *Distributed Common Ground/Surface Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
interoperability as they incorporate multi-domain Continuous Integration / Continuous Delivery (CI/CD) DevSecOps pipelines into operational networks. The T&E FT engineers and operates the EITC, instrumenting and evaluating DI2E compliance with enterprise Service DCGS Net-Ready Key Performance Parameter elements, and joint needs. Develops testing concepts and strategies to determine compliance with emergent Global ISR Enterprise attributes, and applicable joint interoperability standards in operational or operationally representative environments. Supports DCGS Enterprise-wide acquisitions that implement digital modernization strategies and evaluate DI2E integration with JADC2 initiatives. Provides a forum to advocate, coordinate, and synchronize use of existing Department of Defense and Service Test Facilities such as those available through the Test Resource Management Center to advance science, technology, modeling, and simulation technologies to improve Global ISR Enterprise test capabilities, capacity, and integration. ***FY 2022 Plans:*** Will revise and evolve T&E data collection techniques and analysis strategies in support of DCGS Enterprise community members acquisition programs as they integrate capabilities and services solutions to address the operational gaps identified in OUSD(I&S) sponsored DCGS Enterprise Capabilities Based Assessment and other approved requirements. Continue to plan, develop, and execute enterprise-level data collection during multiple yearly test events and demonstration cycles. Support establishing the EITC to provide enhanced functionality, expand and modernize T&E capacity, and perform automated evaluations of net-centric capabilities with improved assessment methodologies and practices by incorporating new technologies. Continue enhancement of instrumentation and automated data collection tools to support testing on multiple network domains and enclaves where the DCGS FoSs, Defense Intelligence Agencies, FVEY and Select Coalition Partners operate. Continue to develop T&E methodology and tools to support testing of enterprise cybersecurity solutions to determine if they comply with standards, support interoperability between the DCGS FoSs, and meet the DCGS Enterprise cybersecurity requirements. Continue to conduct compliance testing of data, metadata, and web services against established standards to enhance the sharing and promote reuse of net centric solutions. Continuing to expand distributed and automated testing capabilities that enable DCGS entities and other communities of interest to test for standards compliance during the development and acquisition processes. All data collected by these assessment efforts are reflected in an annual DCGS Enterprise Assessment Report that delineates how well the DCGS Enterprise shows progress over time in meeting the capabilities and closing gaps reflected in the 2016 DCGS Enterprise Initial Capabilities Document (ICD), and advance National and Intelligence Defense Strategies, and recurring ES guidance memoranda. ***FY 2023 Plans:*** Will revise and evolve T&E data collection techniques and analysis strategies in support of DCGS Enterprise community members acquisition programs' interoperability as they integrate capabilities and solutions to address operational gaps identified in OUSD(I&S) sponsored DCGS Enterprise Capabilities Based Assessment and other approved and emergent requirements. Continue to plan, develop, and execute enterprise-level data collection during multiple, Service and Defense Intelligence Agency led, yearly test events and demonstration cycles. Support establishing the EITC to provide enhanced functionality, expand and			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0305208K / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** NF1 / *Distributed Common Ground/Surface Systems*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
modernize T&E capacity, and perform automated evaluations of net-centric capabilities with improved assessment methodologies and practices due new technology integration and software development practices. Continue to conduct compliance testing of data, metadata, and services against applicable standards that enhance data sharing and promote reuse of net-centric solutions. Continue to develop T&E methodology and tools to support the evaluation of enterprise cybersecurity solutions and determine DCGS Enterprise standards compliance, interoperability, and efficiencies of cybersecurity reciprocity and automated policy agreements. Continue enhancement of instrumentation and automated, distributed data collection tools to support testing on multiple network domains, cloud environments, and enclaves where the DCGS FoSs, Defense Intelligence Agencies, FVEY and Select Coalition Partners operate to evaluate interoperability, as these entities incorporate multi-domain CI/CD DevSecOps pipelines and accelerated acquisition timelines. Data collected by these assessment efforts advance planning, budgeting, and management of DCGS Enterprise capability investments that implement National and Intelligence Defense Strategies, and recurring ES guidance memoranda ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The decrease of -$0.001 from FY 2022 to FY 2023 is due to non-fuel technical adjustment.			
Accomplishments/Planned Programs Subtotals	3.112	3.073	3.072

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

Test, Evaluation, and Certification (TEC) indefinite delivery/indefinite quantity contract provides T&E support by performing a wide range of non-personal services to encompass testing, scientific, engineering, logistic, administrative, and ancillary support of the DISA T&E missions. The TEC contract provides for expansion and contraction of staff years as workload dictates. An additional contract is a Federal Preferential Sole Source Procurement set-aside which provides consolidated facilities support.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0903235K / *Joint Service Provider*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	12.283	0.608	2.645	3.141	-	3.141	5.177	5.157	5.199	5.259	Continuing	Continuing
JSP: *Joint Service Provider*	12.283	0.608	2.645	3.141	-	3.141	5.177	5.157	5.199	5.259	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Joint Service Provider (JSP) provides Information Technology (IT) infrastructure and office automation systems, components, supporting software, and IT support services for the Office of the Secretary of Defense (OSD), Joint Staff, Headquarters Department of the Army (HQDA), Washington Headquarters Services (WHS), Pentagon Force Protection Agency (PFPA), DoD Consolidated Adjudication Facility (DoD CAF), and other JSP-supported 4th Estate users and communities supported within the Pentagon Reservation and other areas in the National Capitol Region (NCR). RDT&E provides for the test, pilot, and development of new integrated business tools to enhance the JSP business processes and improve the delivery of IT services and capabilities. This activity executes JSP's testing environment to allow insertion of commercial off-the-shelf and government-managed software for all supported JSP services to include network transport, storage, compute, defensive cyber operations, Pentagon Installation Processing Node (IPN), and other components of the NCR's core network infrastructure. These efforts also provide mobile classified computing and communications platforms technology test and development for the immediate Office of the Secretary of Defense, enabling secured computing at residence, temporary and mobile locations around the world.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	0.608	2.645	0.000	-	0.000
Current President's Budget	0.608	2.645	3.141	-	3.141
Total Adjustments	0.000	0.000	3.141	-	3.141
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	-	-	3.141	-	3.141

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.
The increase of $0.496 in FY 2023 is due to increase in technical contract support.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0903235K / *Joint Service Provider*	Project (Number/Name) JSP / *Joint Service Provider*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
JSP: *Joint Service Provider*	12.283	0.608	2.645	3.141	-	3.141	5.177	5.157	5.199	5.259	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Joint Service Provider (JSP) provides mobile classified computing and communications platforms technology test and development for the immediate Office of the Secretary of Defense, enabling secured computing at residence, temporary and mobile locations around the world.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: SECDEF Communications	0.104	0.108	0.112
Description: Provides mobile classified computing and communications platforms technology test and development for the immediate Office of the Secretary of Defense, enabling secured computing at residence, temporary and mobile locations around the world. ***FY 2022 Plans:*** Continue to provide mobile classified computing and communications platforms technology test and development for the immediate Office of the Secretary of Defense, enabling secured computing at residence, temporary and mobile locations around the world. ***FY 2023 Plans:*** Continue to provide mobile classified computing and communications platforms technology test and development for the immediate Office of the Secretary of Defense, enabling secured computing at residence, temporary and mobile locations around the world. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $0.004 from FY 2022 to FY 2023 is attributed to an increase to technical contract support.			
Title: Enterprise Initiative Test & Development	0.504	2.537	3.029
Description: This activity executes JSP's testing environment to allow insertion of commercial off the shelf and government managed software for all supported JSP services to include network transport, storage, compute, defensive cyber operations, Pentagon Installation Processing Node (IPN), and other components of the NCR's core network infrastructure. This effort allows informed investment in cyber defense, resilience, and the continued integration of cyber capabilities into the full spectrum of military operational needs required by the JSP supported user base and prioritize developing capabilities enabling a more resilient and survivable Department of Defense Information Network (DODIN) in the face of a dynamic and increasingly sophisticated threat environment.			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0903235K / *Joint Service Provider*	**Project (Number/Name)** JSP / *Joint Service Provider*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
FY 2022 Plans: Develop, pilot, and test integrated capabilities and solutions to support the operational requirements of the JSP user base. Supports such efforts as adaptive security architecture, threat intelligence machine learning, runtime application self-protection and Desktop as a Service. Improve delivery of IT services and capabilities of an increasingly mobile, application centric knowledge workforce JSP supports in a dynamic environment with advanced persistent cyber threats targeting DoD information networks (DODIN). ***FY 2023 Plans:*** Continue to develop, pilot, and test integrated capabilities and solutions to support the operational requirements of the JSP user base. Supports such efforts as adaptive security architecture, threat intelligence machine learning, runtime application self protection and Desktop as a Service. Improve delivery of IT services and capabilities of an increasingly mobile, application centric knowledge workforce JSP supports in a dynamic environment with advanced persistent cyber threats targeting DoD information networks (DODIN). ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $0.492 from FY 2022 to FY 2023 is attributed to an increase to technical contract support.			
Accomplishments/Planned Programs Subtotals	0.608	2.645	3.141

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 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0604532K / *Joint Artificial Intelligence Center (JAIC)*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	183.834	128.239	148.447	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
JA1: *Joint Artificial Intelligence Center (JAIC)*	183.834	128.239	148.447	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

The JAIC was established to preserve and expand our military advantage in support of the Department's 2018 National Defense Strategy (NDS). As a primarily executing body it will accelerate the delivery of Artificial Intelligence (AI) enabled capabilities, scale the Department-wide impact of AI, and synchronize Department of Defense (DoD) AI activities to expand Joint Force advantages. The JAIC mission is to accelerate the delivery of AI to achieve impact scaled across the DoD at relevant speed to transform the DoD and ensure the nation maintains a competitive advantage. JAIC capitalizes on Project Maven's efforts as the pathfinder AI initiative for the DoD to further critical AI architecture and prototyping to rapidly expand AI to other mission areas. As JAIC efforts prove relevant, they will expedite technology transition from the laboratory to operational use, and increase Joint Force capability. Most military data storage, utilization, and analytic tools and systems were designed pre-AI and require specialized integration to enable the insertion of algorithms into their software baseline. JAIC capabilities are commercial technology initiatives that insert commercial AI into existing programs of record.

The JAIC will execute an initial sequence of cross-functional use cases to demonstrate value and create momentum, called National Mission Initiatives (NMI). NMIs will rapidly develop and deploy AI across the Joint Force for selected high-priority, pressing operational or business reform challenges. Additionally, JAIC will work closely with individual components to help identify, shape, and accelerate component-specific AI deployments. NMI efforts will include selecting commercial and academic partners for prototypes, and develop standardized processes with respect to data, testing and evaluation, and cybersecurity. JAIC will use lessons learned from these initial projects to establish new processes and standards that will be repeatable across additional projects and immediately relevant to the Joint Force. This will be done in collaboration with partners across technology companies, consulting firms, academia, government labs, Federally Funded Research and Development Centers (FFRDC), services, and international partners.

To support NDS, the JAIC will catalyze and develop AI capabilities to enhance readiness and lethality and ensure DoD maintains an advantage over adversaries. JAIC will spearhead this unique opportunity to expand the competitive space across all domains with AI. JAIC efforts will directly contribute to increased military readiness towards a more lethal Joint Force, it will strengthen alliances and attract new partners by focusing on global problems, and it will enable Departmental reform to increase performance and affordability. JAIC will cultivate workforce talent by recruiting, developing, and retaining high-quality personnel to enable the development and delivery of AI. This will bring critical skills into the department by drawing outside expertise, and leveraging small companies, start-ups, and universities. Implementing AI at a speed of relevance hinges on the ability to integrate AI better than our adversaries, and the JAIC will enable the Department to adapt AI into how it fights. JAIC will focus on speed of delivery, continuous adaptation, and frequent capability delivery sprints. To fully realize this potential, the JAIC will pioneer AI approaches across the full scale of the global enterprise in a manner that is jointly interoperable with allies, partners, military Services, and agencies. Specifically, JAIC will identify and implement new organizational approaches, establish key AI building blocks and standards, develop and attract AI talent, and introduce new operational models that will enable DoD to systematically take advantage of AI at enterprise scale. The JAIC will fulfill the National Security Strategy and NDS to ensure conventional overmatch through dual-use commercial technology and partnered DoD-developed AI. The JAIC will collaborate with non-governmental organizations, corporations, strategic influencers,

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0604532K *I Joint Artificial Intelligence Center (JAIC)*

and partners and allies. JAIC will seize the initiative to lead the world in the development and adoption of transformative defense AI solutions that are safe, ethical, and secure. JAIC will spearhead this effort, engaging with the best minds in government, the private sector, academia, and international community.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	128.239	10.033	0.000	-	0.000
Current President's Budget	128.239	148.447	0.000	-	0.000
Total Adjustments	0.000	138.414	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Budget Year Adjustment	0.000	138.414	0.000	-	0.000

Change Summary Explanation

The decrease from FY 2022 to FY 2023 is due to The JAIC transition to the office of the Chief Digital and Artificial Intelligence Officer (CDAO).

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0604532K / *Joint Artificial Intelligence Center (JAIC)*	Project (Number/Name) JA1 / *Joint Artificial Intelligence Center (JAIC)*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
JA1: *Joint Artificial Intelligence Center (JAIC)*	183.834	128.239	148.447	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The JAIC was established to preserve and expand our military advantage in support of the Department's 2018 National Defense Strategy. As a primarily executing body it will accelerate the delivery of Artificial Intelligence (AI) enabled capabilities, scale the Department-wide impact of AI, and synchronize DoD AI activities to expand Joint Force advantages. The JAIC mission is to accelerate the delivery of AI to achieve impact scaled across the DoD at relevant speed to transform the DoD and ensure the nation maintains a competitive advantage. JAIC capitalizes on Project Maven's efforts as the pathfinder AI initiative for the DoD to further critical AI architecture and prototyping to rapidly expand AI to other mission areas. As JAIC efforts prove relevant, they will expedite technology transition from the laboratory to operational use, and increase Joint Force capability. Most military data storage, utilization, and analytic tools and systems were designed pre-AI and require specialized integration to enable the insertion of algorithms into their software baseline. JAIC capabilities are commercial technology initiatives that insert commercial AI into existing programs of record.

The JAIC will execute an initial sequence of cross-functional use cases to demonstrate value and create momentum, called National Mission Initiatives (NMI). NMIs will rapidly develop and deploy AI across the Joint Force for selected high-priority, pressing operational or business reform challenges. Additionally, JAIC will work closely with individual components to help identify, shape, and accelerate component-specific AI deployments. NMI efforts will include selecting commercial and academic partners for prototypes, and develop standardized processes with respect to data, testing and evaluation, and cybersecurity. JAIC will use lessons learned from these initial projects to establish new processes and standards that will be repeatable across additional projects and immediately relevant to the Joint Force. This will be done in collaboration with partners across technology companies, consulting firms, academia, government labs, Federally Funded Research and Development Centers (FFRDC), services, and international partners.

To support the National Defense Strategy (NDS), the JAIC will catalyze and develop AI capabilities to enhance readiness and lethality and ensure DoD maintains an advantage over adversaries. JAIC will spearhead this unique opportunity to expand the competitive space across all domains with AI. JAIC efforts will directly contribute to increased military readiness towards a more lethal Joint Force, it will strengthen alliances and attract new partners by focusing on global problems, and it will enable Departmental reform to increase performance and affordability. JAIC will cultivate workforce talent by recruiting, developing, and retaining high-quality personnel to enable the development and delivery of AI. This will bring critical skills into the department by drawing outside expertise, and leveraging small companies, start-ups, and universities. Implementing AI at a speed of relevance hinges on the ability to integrate AI better than our adversaries, and the JAIC will enable the Department to adapt AI into how it fights. JAIC will focus on speed of delivery, continuous adaptation, and frequent capability delivery sprints. To fully realize this potential, the JAIC will pioneer AI approaches across the full scale of the global enterprise in a manner that is jointly interoperable with allies, partners, military Services, and agencies. Specifically, JAIC will identify and implement new organizational approaches, establish key AI building blocks and standards, develop and attract AI talent, and introduce new operational models that will enable DoD to systematically take advantage of AI at enterprise scale. The JAIC will fulfill the National Security Strategy and NDS to ensure conventional overmatch through dual-use commercial technology and partnered DoD-developed AI. The JAIC will collaborate with non-

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0604532K / *Joint Artificial Intelligence Center (JAIC)*	**Project (Number/Name)** JA1 / *Joint Artificial Intelligence Center (JAIC)*

governmental organizations, corporations, strategic influencers, and partners and allies. JAIC will seize the initiative to lead the world in the development and adoption of transformative defense AI solutions that are safe, ethical, and secure. JAIC will spearhead this effort, engaging with the best minds in government, the private sector, academia, and international community.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Joint Artificial Intelligence Center (JAIC)	128.239	148.447	-

Description: JAIC develops, tests, prototypes and demonstrates innovative AI, Machine Learning (ML), data infrastructure, and model/algorithm test and assessment capabilities to integrate AI capabilities across numerous domains and technical areas including maintenance and supply chain, personnel recovery, infrastructure assessment, geospatial monitoring during disaster, and cyber sense making. JAIC develops and evaluates integrated prototype technologies in realistic operating environments with DoD entities to assess the performance or cost reduction potential of applying such advanced technology to scale across multiple services. JAIC does this by aligning rapid prototype projects under NMIs and leverages existing commercial technology for DoD use, built upon a common architecture that enables the DoD to rapidly scale AI capability.

FY 2022 Plans:
In FY22, Joint Information Warfare formally Cyber Sensemaking/ JAIC will further support integration of AI/ML MISO solutions for effective understanding, messaging, and influencing within the changing information environment. The JAIC will also align resources to kick off new AI capability lines of effort in accordance with the direction of the DOD AI Executive Steering Group (ESG). The JAIC will continue development of AI/ML products ANMVIS, BlueVector, MADHAT, Cyber Data Framework, Analytic Support Officers (ASO) Ecosystem Concept, and Medifor.
The Threat Reduction and Protection formally the Humanitarian Assistance/Disaster Relief (HA/DR) will continue efforts building AI Capability in the areas of Damage Assessment, Full Motion Video, and Search and Rescue and continue development of Damage Assessment and Road Obstruction Product Line. JAIC will continue development efforts and work towards a Joint Common Foundation (JCF) Enterprise Environment and Full Operating Capability (FOC) by FY22.
In FY22, the Joint Warfighting Operations Initiative will continue to develop and begin to transition AI/ML products lines Target Development, Wargaming, Gargoyle, Precision Targeting, and The Assistant Secretary of the Air Force (Acquisition, Technology and Logistics) (SAF/AQ) to mission partners. The JAIC will also continue resourcing AI/ML products in the areas of Electromagnetic Spectrum Operations (EMSO) and Strategic Mobility in accordance with the direction of the DOD AI Wxecutive Steering Group (ESG). In FY22, The Joint Warfighting Operations mission initiative will deliver the Terrestrial Reconnaissance and Surveillance and sUAS product to partners for field testing, complete field testing and deliver to Army G-Boss Program office and service program. Integrate Strategy Robot into ATO, Joint Staff J8 - User Interface for existing air-to-air Force Structure Planning Tool and Joint Staff J8 - All-Domain Force Structure Planning Tool. Project Smart Sensor - Full- onboard processing and navigation and transition to U.S. Air Force Special Operations Command Program Executive Office Fixed Wing (AFSCO PEO FW) and MQ-9 Reaper Drone (MQ-9) System Program Office (SPO).

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0604532K / *Joint Artificial Intelligence Center (JAIC)*	**Project (Number/Name)** JA1 / *Joint Artificial Intelligence Center (JAIC)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
In FY22, The Warfighter Health mission initiative will work with the Defense Health Agency (DHA) to transition the initial rollout of Medical Imagery Analysis to Military medical diagnosis facilities. The JAIC will continue work in Medical Imaging, Suicide Intervention & Prevention, Point of Injury Decision Support, and Data Commons AI/ML products. In FY22, The JAIC's Business Process Transformation initiatve will work with the DoD Comptroller's Advanced Analytics (ADVANA) Team, Office of Chief Management Officer (OCMO)/Washington Headquarters Services, OCMO/Data Insights Directorate, and Undersecretary Defense for Intelligence USD(I) and will begin to test and integrate GAMECHANGER with multiple user groups. The JAIC will also continue to development of Humanless Unmatched Transactions (HUnT), Acquisition Alert, MyNavy HR, and Army Talent Assignment Recommender and begin transition efforts to partners. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The decrease from FY 2022 to FY 2023 is due to The JAIC transition to the office of the Chief Digital and Artificial Intelligence Officer (CDAO).			
Accomplishments/Planned Programs Subtotals	128.239	148.447	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The JAIC acquisition, management, and contracting strategy follows guidance outlined in the DoD 5000 series directives, Federal Acquisition Regulation (FAR) and FAR supplement policies and procedures. Management uses project management tools and meetings to ensure delivery of stated capabilities and performance criteria.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0604532K / *Joint Artificial Intelligence Center (JAIC)*	**Project (Number/Name)** JA1 / *Joint Artificial Intelligence Center (JAIC)*

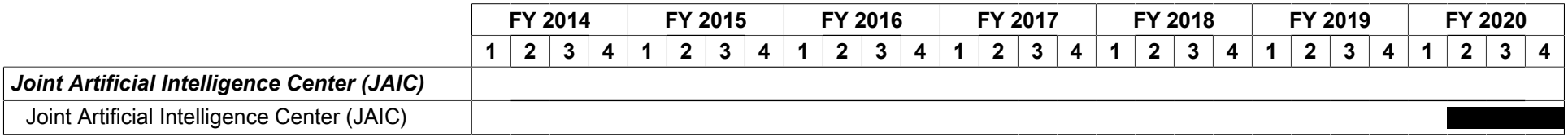
Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development	C/Various	TBD : TBD	183.834	128.239	Mar 2021	148.447	Mar 2022	-		-		-	Continuing	Continuing	Continuing
		Subtotal	183.834	128.239		148.447		-		-		-	Continuing	Continuing	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	183.834	128.239		148.447		-		-		-	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0604532K / *Joint Artificial Intelligence Center (JAIC)*	**Project (Number/Name)** JA1 / *Joint Artificial Intelligence Center (JAIC)*



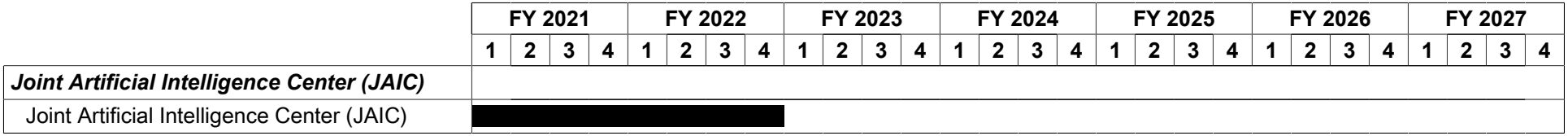


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0604532K / *Joint Artificial Intelligence Center (JAIC)*	**Project (Number/Name)** JA1 / *Joint Artificial Intelligence Center (JAIC)*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Joint Artificial Intelligence Center (JAIC)				
Joint Artificial Intelligence Center (JAIC)	2	2020	4	2022

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	189.979	17.080	16.233	19.145	-	19.145	19.551	19.791	23.484	20.331	Continuing	Continuing
E65: *Modeling and Simulation*	109.184	10.609	4.101	4.085	-	4.085	4.227	4.324	4.428	4.520	Continuing	Continuing
T62: *DoD Information Network (DODIN) Systems Engineering and Support*	80.795	6.471	9.997	15.060	-	15.060	15.324	15.467	19.056	15.811	Continuing	Continuing
T-0010: *Enterprise Messaging*	0.000	0.000	2.135	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Information Infrastructure Engineering and Integration effort encompasses two projects: Modeling and Simulation and DoD Information Network (DODIN) Systems Engineering and Support. There are two major activities under the Modeling and Simulation project: Modeling and Simulation and DODIN Enterprise Wide Systems Engineering (EWSE).

The DODIN EWSE activity resolves near term (one to three years) high-priority technical issues defined by DoD Chief Information Officer (DoD CIO) and Defense Information Systems Agency (DISA), that impact operational capabilities affecting DODIN End-to-End (E2E) interoperability and performance.

The Modeling and Simulation project provides architecture, systems engineering and E2E analytical functions for DISA and its customers, ensuring integrated capabilities to fulfill warfighter mission requirements. Ongoing beneficiaries of these capabilities include DoD CIO, the DISA Network Services Directorate, the DISA Enterprise Services Directorate, Program Executive Office-Mission Assurance, the Defense Information Systems Network Command Center and Joint Communications Simulation System users in DoD.

The DODIN Systems Engineering and Support project performs discovery, research, development and experimentation of emerging and commercial technologies through the Office of the Chief Technology Officer (OCTO) Emerging Technology Directorate (EM) (formerly OCTO) to fill capability shortfalls and technology gaps across the Future Years Defense Program (FYDP). EM identifies these gaps/shortfalls, pursues leading innovative solutions from industry, academia, and the Federal sector, and engages industry partners for commercial best practices. EM conducts technical system engineering reviews and oversight of DISA and DoD enterprise products and services. EM resolves mission partner gaps and agency challenges requiring technical and/or process innovation in Machine Learning/Artificial Intelligence (AI), Mobility, Assured Identity, Rapid Transition, Cyber Defense, and Blockchain among other technologies.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0302019K *I Defense Info. Infrastructure Engineering and Integration*

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	17.080	16.233	0.000	-	0.000
Current President's Budget	17.080	16.233	19.145	-	19.145
Total Adjustments	0.000	0.000	19.145	-	19.145
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year(FG)	0.000	-	19.145	-	19.145

Change Summary Explanation

FY2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.

The increase of $2.912 in FY 2023 is to support the Tech Innovation effort known as Quantum Resistant Cryptography. The cryptography used today to authenticate and secure data-in-transit is susceptible to attack from quantum computers and must be replaced. DISA must prepare to adopt new quantum resistant algorithms to secure communications, protect data integrity and digital signatures. These new quantum resistant algorithms are not a drop-in replacement. DISA must establish a new Post-Quantum Certificate (PQC) infrastructure and transition DoD mission applications from legacy cryptographic algorithms to PQC compliant algorithms. These funds will support the ability to execute concept exploration, design a prototype to evaluate the PQC algorithms and to adapt the current DoD Public Key Infrastructure (PKI) standards to be able to use the PQC algorithms for testing and development.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	Project (Number/Name) E65 / *Modeling and Simulation*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
E65: *Modeling and Simulation*	109.184	10.609	4.101	4.085	-	4.085	4.227	4.324	4.428	4.520	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Modeling and Simulation project provides architecture, systems engineering and end-to-end (E2E) analytical functions for the Defense Information Systems Agency (DISA) and its customers, ensuring integrated capabilities to fulfill warfighter mission requirements. Modeling and Simulation activities support the Department of Defense (DoD) communications planning and investment strategy, including: application performance assessments, contingency planning, network capacity planning and diagnostics, and systems-level modeling and simulation. Project efforts provide across-theater information awareness for Combatant Commands through application solutions for integrated networks, including DoD's missions in Afghanistan and the Defense Information Systems Network (DISN) by: (1) supporting the development and implementation of DoD Information Network (DODIN) Enterprise Wide Systems Engineering (EWSE) processes essential to evolving the DODIN in a manner that enables interoperability and E2E performance for critical DODIN programs; (2) developing standardized DISA systems analyses and integration processes to improve systems integration across DISA for all DISA developed communication systems and services; and (3) providing the underlying modeling and simulation and analytical support for E2E DISA and DoD systems engineering and assessment.

Project efforts provide DoD decision makers with services and a suite of tools capable of identifying key points of impact on DoD command and control information systems and recommending trade-offs within the DODIN configuration with regard to prioritized performance, availability, and security. This effort will reduce the risk in products deployed to the warfighter through improved network performance and traffic analysis, and an efficient means of troubleshooting and subsequent redesign.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Modeling and Simulation	5.918	2.908	2.398
Description: The Modeling and Simulation project provides architecture, systems engineering and end-to-end (E2E) analytical functions for the Defense Information Systems Agency (DISA) and its customers, ensuring integrated capabilities to fulfill warfighter mission requirements. Modeling and Simulation activities support the Department of Defense (DoD) communications planning and investment strategy, including: application performance assessments, contingency planning, network capacity planning and diagnostics, and systems-level modeling and simulation. Project efforts provide across-theater information awareness for Combatant Commands through application solutions for integrated networks, including DoD's missions in Afghanistan and the Defense Information Systems Network (DISN) by: (1) supporting the development and implementation of DoD Information Network (DODIN) Enterprise Wide Systems Engineering (EWSE) processes essential to evolving the DODIN in a manner that enables interoperability and E2E performance for critical DODIN programs; (2) developing standardized DISA systems analyses and integration processes to improve systems integration across DISA for all DISA developed communication systems and services; and (3) providing the underlying modeling and simulation and analytical support for E2E DISA and DoD systems engineering and assessment.			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
FY 2022 Plans: Will continue fielding modeling tools integrated with the DISN for automated DISN views and troubleshooting tools and begin migration to cloud based development and monitoring tools. Will develop modeling and simulation tools to analyze planned changes to the DISN optical and IP core network, data centers, internet and commercial cloud computing gateways, universal gateways, enterprise services, and network security solutions. Will develop capabilities for analysis of software defined networking. Will perform test and evaluation of DISN Internet Access Point security solutions with government and contracted labor support. Will research technologies and solutions that can be transitioned to operations and will demonstrate feasibility through solutions analysis and proof-of-concept development and test. Will perform product and solution assessments using developed modeling tools to provide technical solutions for IT capabilities to ensure compatibility and interoperability with the DISN, on-premise and cloud data centers, and JIE solution architectures. Will develop application performance monitoring to support reliable operation of enterprise services and applications. ***FY 2023 Plans:*** Will continue fielding modeling tools integrated with the DISN for automated DISN views and troubleshooting tools and begin migration to cloud based development and monitoring tools. Will develop modeling and simulation tools to analyze planned changes to the DISN optical and IP core network, data centers, internet and commercial cloud computing gateways, universal gateways, enterprise services, and network security solutions. Will develop capabilities for analysis of software defined networking. Will perform test and evaluation of DISN Internet Access Point security solutions with government and contracted labor support. Will research technologies and solutions that can be transitioned to operations and will demonstrate feasibility through solutions analysis and proof-of-concept development and test. Will perform product and solution assessments using developed modeling tools to provide technical solutions for IT capabilities to ensure compatibility and interoperability with the DISN, on-premise and cloud data centers, and JIE solution architectures. Will develop application performance monitoring to support reliable operation of enterprise services and applications. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The decrease of -$0.510 from FY 2022 to FY 2023 is due to the reduction to technical contract support.			
Title: E2E Architecture ***Description:*** Provides architecture, systems engineering and end-to-end (E2E) analytical functions for the Defense Information Systems Agency (DISA) and its customers, ensuring integrated capabilities to fulfill warfighter mission requirements. Modeling and Simulation activities support the Department of Defense (DoD) communications planning and investment strategy, including: application performance assessments, contingency planning, network capacity planning and diagnostics, and systems-level modeling and simulation. Project efforts provide across-theater information awareness for Combatant Commands through application solutions for integrated networks, including DoD's missions in Afghanistan and the Defense Information Systems Network (DISN) by: (1) supporting the development and implementation of DoD Information Network (DODIN) Enterprise Wide	4.691	1.193	1.687

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Systems Engineering (EWSE) processes essential to evolving the DODIN in a manner that enables interoperability and E2E performance for critical DODIN programs; (2) developing standardized DISA systems analyses and integration processes to improve systems integration across DISA for all DISA developed communication systems and services; and (3) providing the underlying modeling and simulation and analytical support for E2E DISA and DoD systems engineering and assessment. ***FY 2022 Plans:*** Continuation of DoD Cybersecurity Analysis and Review (DoDCAR) analysis tools and testing of implementations of DoDCAR based cyber architecture and system assessment methods. This effort will develop add Mil-Cloud networking, and validation of network security solutions. Will expand the testing of Mil-Cloud access point solutions with government and contracted labor support. Will perform additional product validation and solution testing. Will evaluate performance monitoring framework to support reliable operation of enterprise services and applications. This task will develop continued assessment, testing, prototype improvement and implementation of DoDCAR (DoD Cybersecurity Analysis and Review processes. This includes portfolio management against threat coverage of DoD Networks across the DODIN. FY 2021 to FY 2022 Increase/Decrease Statement: The increase of +$0.016 from FY 2021 to FY 2022 is due to providing an additional .5 architecture studies. ***FY 2023 Plans:*** Support architecture development for DISA innovation and digital transformation projects to include Software-Defined Enterprise (SDE), Global Orchestrator (GO), Zero-Trust Architecture (ZTA), etc. Develop and maintain DODAF based end-to-end IT engineering architectures and artifacts across the DISA enterprise. This includes modification of software and database code to address customer enhancements. Continue development of Tactical Data Link Configuration Management Tool (TCMT) Application Development of a Standards production tool to improve configuration management of 18 unique MIL-STDs and NATO STANAGs. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $0.494 from FY 2022 to FY 2023 is due to funding being misaligned to the incorrect IT initiative. Funding moved to the correct line for execution and budgeting.			
Accomplishments/Planned Programs Subtotals	10.609	4.101	4.085

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• PE 0302019K: *Operation & Maintenance, Defense-Wide*	16.911	-	-	-	-	-	-	-	-	Continuing	Continuing

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost

Remarks

D. Acquisition Strategy

Enterprise Wide Systems Engineering (EWSE) uses contractors to assist/supplement the Government lead/team for technical activities. Subject matter experts in both large and small businesses are sought for the engineering support. Firm fixed price contracts with one option year are typically used in open competition. Furthermore, technical work with Federally Funded Research and Development Centers (FFRDCs) such as MITRE and MIT Lincoln Lab are established and coordinated when the Government can leverage their expertise and R&D in the key technology.

Modeling and Simulation uses a range of contractors for modeling support to the various projects. Contractors range from small to large business, predominantly using open competition methods and Firm Fixed Price (FFP) tasks and utilizing multi-year (base plus option years) contracts where possible. Support includes network modeling tool and processes development to adapt to ever-evolving DoD programs and projects, analyses, capacity planning, and network redesign using the models. Some specific support (e.g., integration with proprietary software) will require contracting with OPNET (e.g., sole source). Federally Funded Research and Development Centers (FFRDCs) are also considered depending upon the task.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development 1	SS/FFP	OPNET Tech, Inc : Bethesda, MD	10.463	1.210	Feb 2021	0.276	Feb 2022	0.276	Feb 2023	-		0.276	Continuing	Continuing	Continuing
Product Development 2	C/CPFF	APPTIS : Chantilly, VA	3.938	1.121	Feb 2021	0.187	Feb 2022	0.187	Feb 2023	-		0.187	Continuing	Continuing	Continuing
Product Development 3	SS/FFP	Falls Church, VA : Falls Church, VA	1.312	-		-		-		-		-	0.000	1.312	-
Product Development 4	C/FFP	Booz Allen, Hamilton : McLean, VA	5.363	1.184	Feb 2021	0.250	Feb 2022	0.250	Feb 2023	-		0.250	Continuing	Continuing	Continuing
Product Development 5	C/FFP	NRL : Washington, DC	0.100	-		-		-		-		-	0.000	0.100	-
Product Development 6	C/CPFF	Soliel, LLC : Reston, VA	3.862	-		-		-		-		-	0.000	3.862	-
Product Development 7	C/FFP	COMPTEL : Arlington, VA	2.805	-		-		-		-		-	0.000	2.805	-
Product Development 8	C/CPFF	COMPTEL : Arlington, VA	0.926	-		-		-		-		-	0.000	0.926	-
Product Development 9	C/CPFF	MIT Lincoln Labs : Cambridge, MA	13.299	-		-		-		-		-	0.000	13.299	-
Product Development 10	MIPR	Various : Various	11.268	-		-		-		-		-	0.000	11.268	-
Enterprise Wide Systems Engineering 11	C/FFP	Northrop Grumman : Fairfax, VA	1.784	-		-		-		-		-	0.000	1.784	-
Clear Sky Pilot	C/CPFF	AFRL Terremark : Various	24.083	-		-		-		-		-	0.000	24.083	-
Narus	C/CPFF	AFRL : Rome, NY	1.450	-		-		-		-		-	0.000	1.450	-
Cyber Accelerator	C/CPFF	DTIC : Alexandria, VA	7.516	-		-		-		-		-	0.000	7.516	-
Commercial Integration Demonstration	C/CPFF	DTIC : Alexandria, VA	2.750	-		-		-		-		-	0.000	2.750	-
Web Content Filtering: Perimeter Defense Integration	C/FFP	Oberon Associates : Ft. Meade, MD	1.854	-		-		-		-		-	0.000	1.854	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Host Based Security Ops Assessment	C/FFP	Summit Technologies, Inc : Ft Meade, MD	0.700	-		-		-		-		-	0.000	0.700	-
Secure Configuration Management Ops Assessment	C/FFP	Cyber Security research and Solutions Corp : Ft Meade	0.964	-		-		-		-		-	0.000	0.964	-
Product Development 11	C/CPFF	Johns Hopkins University Applied Physics : Laurel, MD	0.861	-		-		-		-		-	0.000	0.861	-
Engineering Technical Services	MIPR	Axom Technologies : Fort Meade	1.150	-		-		-		-		-	0.000	1.150	-
Requirements Analysis/ Program Management: Civilian Pay	MIPR	Various : Various	2.057	-		-		-		-		-	Continuing	Continuing	Continuing
Cloud Hosted Shared Services	C/FFP	Nisga's Data Systems LLC : Herndon, VA	1.350	-		-		-		-		-	0.000	1.350	-
Cloud/ Gateway Pilot	C/FFP	Alvarez and Associates : Tysons Corner, VA	0.304	-		-		-		-		-	0.000	0.304	-
Cloud/ Gateway Pilot	C/FFP	BY Light Professional IT Services : : Arlington, VA	0.413	-		-		-		-		-	0.000	0.413	-
DoDCAR	C/FFP	TBD : TBD	-	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	100.572	3.515		0.713		0.713		-		0.713	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
IP Network Modeling	SS/FFP	Riverbed : Bethesda, MD	2.661	2.438	Sep 2021	2.036	Sep 2022	2.020	Sep 2023	-		2.020	Continuing	Continuing	-
JCSS/JRSS Modeling	C/FFP	Booz Allen, Hamilton : McLean, VA	2.628	2.144	May 2021	1.210	May 2022	1.210	May 2023	-		1.210	Continuing	Continuing	-
JRSS Modeling	C/FFP	IPKEYS : Annapolis Junction, MD	0.373	-		-		-		-		-	0.000	0.373	-
E2E Performance	C/FFP	Tapestry : Chambersburg, PA	0.251	1.433	Oct 2020	-		-		-		-	0.000	1.684	-
E2E Performance	C/FFP	Various : Various	0.627	1.079	Oct 2020	0.142	Oct 2021	0.142	Oct 2022	-		0.142	Continuing	Continuing	-
		Subtotal	6.540	7.094		3.388		3.372		-		3.372	Continuing	Continuing	N/A

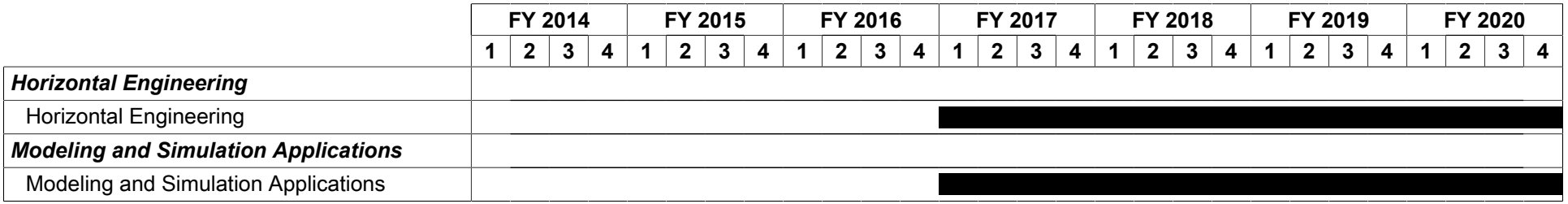
Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	SS/CPFF	Comptel : Arlington, VA	2.072	-		-		-		-		-	0.000	2.072	-
		Subtotal	2.072	-		-		-		-		-	0.000	2.072	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	109.184	10.609		4.101		4.085		-		4.085	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*



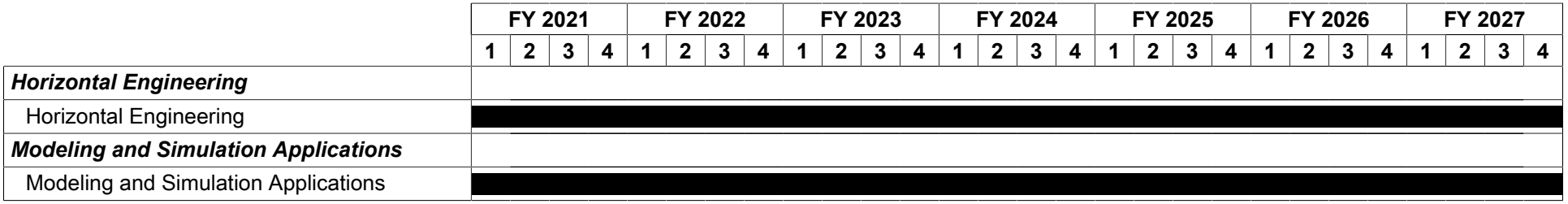


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Horizontal Engineering				
Horizontal Engineering	1	2017	4	2027
Modeling and Simulation Applications				
Modeling and Simulation Applications	1	2017	4	2027

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	Project (Number/Name) T62 / *DoD Information Network (DODIN) Systems Engineering and Support*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
T62: *DoD Information Network (DODIN) Systems Engineering and Support*	80.795	6.471	9.997	15.060	-	15.060	15.324	15.467	19.056	15.811	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The DoD Information Network (DODIN) Systems Engineering and Support project identifies key technology areas that are essential for Defense Information Systems Agency (DISA) including: Machine Learning/Artificial Intelligence (AI), Mobility, Assured Identity, Rapid Transition, Cyber Defense, and Blockchain among other technologies.

The DODIN Systems Engineering and Support Project ensure the technical strategies for the Defense Information Systems Agency (DISA) are in line with the DoD IT Efficiency strategy and the latest Department of Defense Chief Information Office (DoD CIO) Capabilities Planning Guidance (CPG) through the Emerging Technology Directorate (EM). These strategies will establish the foundation for DISA's technology investments and technical development. The EM leverages emerging technology to drive efficiencies and cost savings to the DoD, the Warfighter, and other Federal Agencies, and provides actionable, decision-oriented information to the Secretary of Defense, Joint Staff, Military Services, Combatant Commands, and other mission partners in satisfying DoD mission objectives.

Cyber security and cloud computing present critical near term challenges, especially the ability to securely leverage commercial cloud service offerings. The EM's partnership with Defense Advanced Research Projects Agency (DARPA) will assess and transition technologically relevant and mature solutions. Included are applications with a security wrapper that detect and mitigate cyberattacks; smart routing and managed reputation capability; embedded system defense capabilities; and resilient and intrusion-tolerant network capabilities.

Partnerships with industry, academia, and the Federal sectors will produce requisite cyber measures and ensure optimal use of commercial cloud services. The EM will conduct technology assessments, process improvements, as well as the analysis and review of potential technology solutions, products, capabilities and services to ensure consistency with DODIN architecture and standards. Enabled by the Technology Assessment Framework (TAF) and the DISA Technology Information Repository (DTIR), the EM will perform "quick looks" and deeper technology evaluations to provide critical awareness, characterization, and suitability of specific technologies. These include the assessments of advanced cloud management capabilities; physical containers to enable mobile data center; emerging open source Storage Service Application Programming Interfaces (APIs) and/or abstractions and global standards for storage services; analytic platform performance baselines of emerging commercial analytic platform products; advanced approaches to Continuity of Operations (COOP) in a hybrid cloud environment; and the next generation software defined networks for automating and virtualizing the DODIN.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Department of Defense Information Network (DODIN) Systems Engineering and Support	6.471	9.997	15.060

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *DoD Information Network (DODIN) Systems Engineering and Support*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Description: The DoD Information Network (DODIN) Systems Engineering and Support project aligns with the updated DISA Strategic Plan, which includes the Chief Technology Officer's Outlook and a Technology Watchlist. The Watchlist identifies key technology areas that are essential for Defense Information Systems Agency (DISA) including: Process/Automation, Cloud, Cyber Security, End-User Devices, and Communication (DODIN, Mobile/End-User Devices). The DODIN Systems Engineering and Support Project ensure the technical strategies for the Defense Information Systems Agency (DISA) are in line with the DoD IT Efficiency strategy .These strategies will establish the foundation for DISA's technology investments and technical development. The OCTO leverages emerging technology to drive efficiencies and cost savings to the DoD, the Warfighter, and other Federal Agencies, and provides actionable, decision-oriented information to the Secretary of Defense, Joint Staff, Military Services, Combatant Commands, and other mission partners in satisfying DoD mission objectives. Cyber security and cloud computing present critical near term challenges, especially the ability to securely leverage commercial cloud service offerings. The OCTO's partnership with Defense Advanced Research Projects Agency (DARPA) will assess and transition technologically relevant and mature solutions. Included are applications with a security wrapper that detect and mitigate cyberattacks; smart routing and managed reputation capability; embedded system defense capabilities; and resilient and intrusion-tolerant network capabilities. Partnerships with industry, academia, and the Federal sectors will produce requisite cyber measures and ensure optimal use of commercial cloud services. The OCTO will conduct technology assessments, process improvements, as well as the analysis and review of potential technology solutions, products, capabilities and services to ensure consistency with DODIN architecture and standards. Enabled by the Technology Assessment Framework (TAF) and the DISA Technology Information Repository (DTIR), the OCTO will perform "quick looks" and deeper technology evaluations to provide critical awareness, characterization, and suitability of specific technologies. These include the assessments of advanced cloud management capabilities; physical containers to enable mobile data center; emerging open source Storage Service Application Programming Interfaces (APIs) and/or abstractions and global standards for storage services; analytic platform performance baselines of emerging commercial analytic platform products; advanced approaches to Continuity of Operations (COOP) in a hybrid cloud environment; and the next generation software defined networks for automating and virtualizing the DODIN. The Agency's internal innovation suggestion program, DISAruptive, previously resourced by available government civilian time, will be revamped in FY2022 with relaunch by FY23 to deliver technical expertise and including training for potential innovators and innovation suggestion technical support including limited test conduct, instrumentation, or test materials.			
FY 2022 Plans: Work with mission partners to discover, test, and deploy appropriate technology solutions/processes, including efforts in Multi-Class Mobile endpoint, End-User Devices, Assured Identity, Machine Learning/Artificial Intelligence (AI), Cyber Defense, Cloud Computing, and Process Automation. Perform discovery, research, development and experimentation of emerging and commercial technologies to fill capability shortfalls and technology gaps across the Future Years Defense Program (FYDP).			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *DoD Information Network (DODIN) Systems Engineering and Support*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Collaborate and influence commercial leaders in innovative technology and practices in an effort to guide the Department towards the 21st century warfighting Domain. Pursue leading innovative solutions from industry, academia, and the Federal sector, and engage industry partners for commercial best practices. Conduct technical system engineering reviews and oversight of DISA and DoD enterprise products and services. Further Operationalize DISAruptive enhancements, continue training support curriculum, and enhance R&D support to innovative ideas received through the DISAruptive portal. ***FY 2023 Plans:*** The Emerging Technology (EM) directorate conducts critical research, discovery, test and evaluation of operationally enabling IT capabilities and services. EM utilizes programmed funding baselines in the identification and evaluation of leading government and industry technologies, products, and methodologies to address mission critical requirements across DISA and the DoD. EM technology assessments and integrations aim to provide scalable and cost-effective solutions to meet the unique operational and security requirements of the department. Example focus areas include Quantum Resistant Cryptography, Blockchain, Cyber Asset Inventory Management, Robotic Process Automation and Machine Learning/Artificial Intelligence. Aligned to agency and department strategic objectives, EM facilitates collaboration among industry and government partners through technical exchange sessions, proof of concepts, and operational pilot initiatives and limited production deployments in order to validate the potential operational and financial benefits of candidate solutions and capabilities. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $5.063 from FY 2022 to FY 2023 is due to restoral of PB22 relook decrease error and funding the Tech Innovation effort known as Quantum Resistant Cryptography (QRC). The QRC initiative involves RDT&E of various quantum computing technology components as directed by the President's National Security Strategy and Quantum Computing Research Act, to enable increased cyber security across the DoD. The cryptography used today to authenticate and secure data-in-transit is susceptible to attack from quantum computers and must be replaced. This funding will support the ability to execute concept exploration, design a prototype to evaluate the Post-Quantum Certificate algorithms and to adapt the current DoD Public Key Infrastructure (PKI) standards to be able to use the PQC algorithms for testing and development.			
Accomplishments/Planned Programs Subtotals	6.471	9.997	15.060

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• O&M, DW/PE 0302019K: *Operation & Maintenance, Defense-Wide*	2.962	3.035	2.584	-	2.584	-	-	-	-	Continuing	Continuing

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *DoD Information Network (DODIN) Systems Engineering and Support*

D. Acquisition Strategy

Market research during the acquisition process includes a review of DISA contracts, other DoD contract vehicles, and other Federal Government agency contracts which are advertised for Government-wide usage. This market research also includes consideration of small businesses including minority/women owned (8A) businesses, Historically Black Colleges and Universities, mentor/protégé and other specialized contract vehicles and processes. Market research evaluates all contractors available from DISA sources for their ability to deliver the products specifically required for the unique program efforts. The program works collaboratively with vendors to obtain generic cost data for planning and analysis purposes. Past and current contract prices for similar work and other government-wide agency contracts provide additional sources of information. Quotes from multiple sources help provide averages for more realistic cost estimates. DISA makes a concerted effort to award many of its contracts to small businesses. Additionally, many of the DISA contracts are awarded with multiple option periods. These have the benefit of fixing labor costs over an extended period and minimizing the administrative costs associated with re-issuing short-term contracts.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	Project (Number/Name) T62 / *DoD Information Network (DODIN) Systems Engineering and Support*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Technical Services	FFRDC	MITRE : McLean, VA	14.738	0.505	Oct 2020	0.671	Nov 2021	-		-		-	Continuing	Continuing	Continuing
Industry Tech Res	C/FFP	Gartner : Various	0.249	-		-		-		-		-	0.000	0.249	-
GIG Technical Insertion Engineering	C/FFP	SRA, Inc. : Fairfax, VA	1.211	-		-		-		-		-	0.000	1.211	-
Product Development	C/Various	Raytheon : Various	1.601	-		-		-		-		-	0.000	1.601	-
DAMA-C	MIPR	Defense Micro-electronics Activity : Various	11.794	-		-		-		-		-	0.000	11.794	-
Thin Engineering Support	MIPR	MIT Lincoln Labs : Lexington, MA	4.260	-		-		-		-		-	0.000	4.260	-
Engineering and Technical Support	C/FFP	Moya Technologies, Inc. : Various	1.212	-		-		-		-		-	0.000	1.212	-
Engineering Technical Services	MIPR	Various : Chambersburg, PA	5.399	1.967	Jan 2021	-		-		-		-	Continuing	Continuing	Continuing
Product Development	C/FFP	Science and Technology Associates, Inc : Arlington, VA	2.091	-		-		-		-		-	0.000	2.091	-
Product Development	MIPR	SPAWAR : Charleston, SC	0.376	-		1.300	Mar 2022	1.300	Mar 2023	-		1.300	Continuing	Continuing	Continuing
Product Development	MIPR	NSA : Ft. Meade, MD	0.691	-		-		-		-		-	0.000	0.691	-
Engineering Technical Services	C/FFP	TWM : Falls Church, VA	0.202	-		-		-		-		-	0.000	0.202	-
Product Development	C/FFP	SOLERS : Arlington, VA	3.023	-		-		-		-		-	0.000	3.023	-
Product Development	C/FFP	Booz Allen Hamilton : McLean, VA	1.062	-		-		-		-		-	0.000	1.062	-
Product Development	MIPR	JITC : Ft. Meade, MD	0.351	-		-		-		-		-	0.000	0.351	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *DoD Information Network (DODIN) Systems Engineering and Support*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Technical Services	MIPR	Various : Ft. Meade, MD	4.481	-		-		-		-		-	0.000	4.481	-
Engineering Technical Services	C/Various	IV2: IT Consulting Services, LLC : Jackson, WY	1.674	-		-		-		-		-	0.000	1.674	-
Engineering Technical Services	C/FFP	Information Assurance TWM Follow On : Various	0.741	-		-		-		-		-	0.000	0.741	-
Engineering Technical Services	C/CPFF	TIE NEMS: B&D Consulting : Various	0.564	-		-		-		-		-	0.000	0.564	-
Engineering Technical Services	C/Various	Tapestry Technologies, INC : Various	3.173	-		-		-		-		-	0.000	3.173	-
Management Services - Civilian Pay	Various	Various : Ft. Meade, MD	6.428	-		-		-		-		-	0.000	6.428	-
Engineering Technical Services	C/FFP	PMPC-Itility LLC : Ft. Meade, MD	0.807	-		-		-		-		-	Continuing	Continuing	Continuing
Information Assurance	C/CPFF	Tapestry Tech : Chambersburg, PA	1.183	0.600	Jan 2021	1.061	Dec 2021	1.245	Jan 2023	-		1.245	Continuing	Continuing	Continuing
Sys Engineering	C/CPFF	Various : Ft. Meade, MD	9.808	2.221	Dec 2020	1.057	Mar 2022	4.786	Nov 2022	-		4.786	Continuing	Continuing	Continuing
Management Services - Civilian Pay	C/CPFF	Various : Ft. Meade	3.406	0.678	Mar 2021	3.955	Nov 2021	5.651	Oct 2022	-		5.651	Continuing	Continuing	Continuing
Program Management and Knowledge Management	C/FFP	TBD : TBD	-	-		1.453	Mar 2022	1.129	Jan 2023	-		1.129	Continuing	Continuing	Continuing
(DODIN) Systems Engineering and Support	C/FFP	TBD : TBD	0.270	0.500	Mar 2021	0.500	Mar 2022	0.949	Mar 2023	-		0.949	Continuing	Continuing	Continuing
		Subtotal	80.795	6.471		9.997		15.060		-		15.060	Continuing	Continuing	N/A

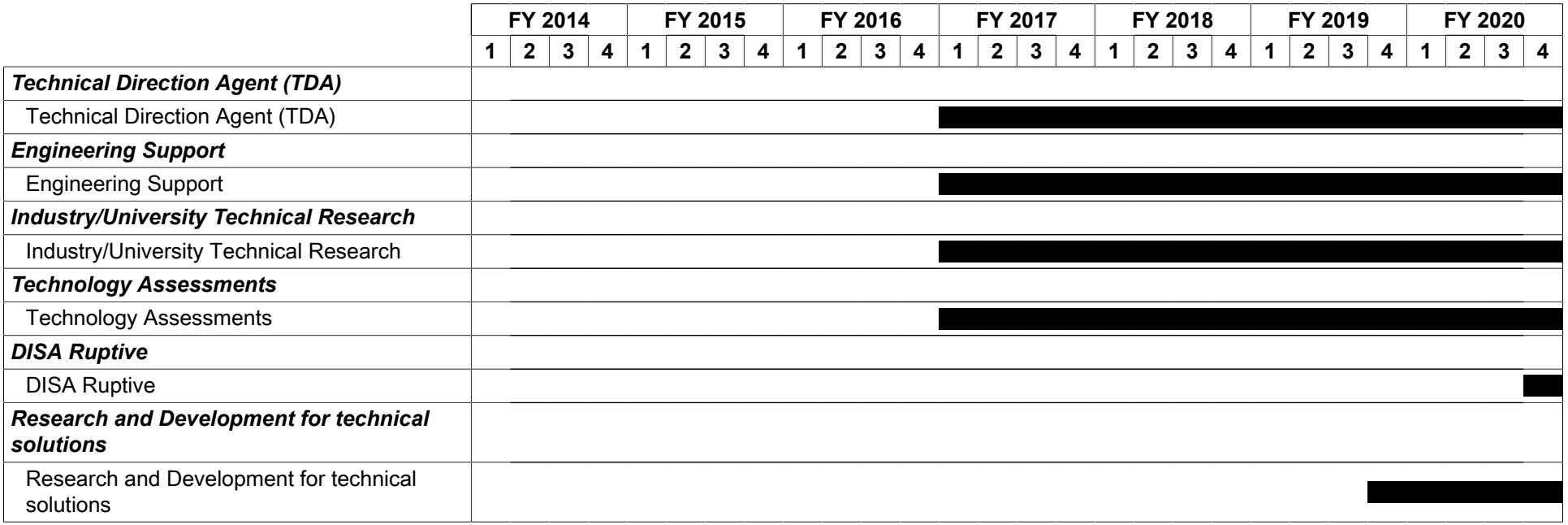
	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	80.795	6.471		9.997		15.060		-		15.060	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	Project (Number/Name) T62 / *DoD Information Network (DODIN) Systems Engineering and Support*	

	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *DoD Information Network (DODIN) Systems Engineering and Support*



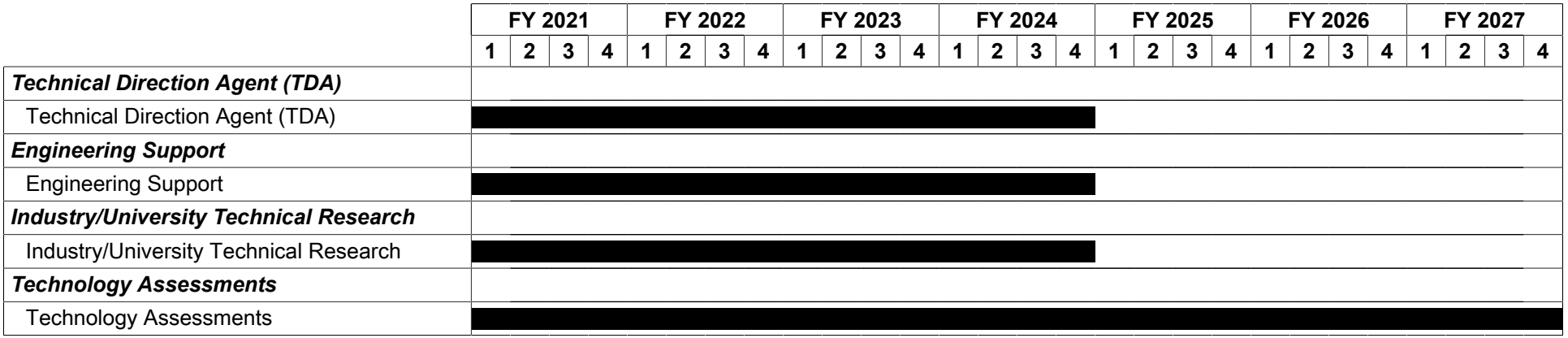


Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *DoD Information Network (DODIN) Systems Engineering and Support*

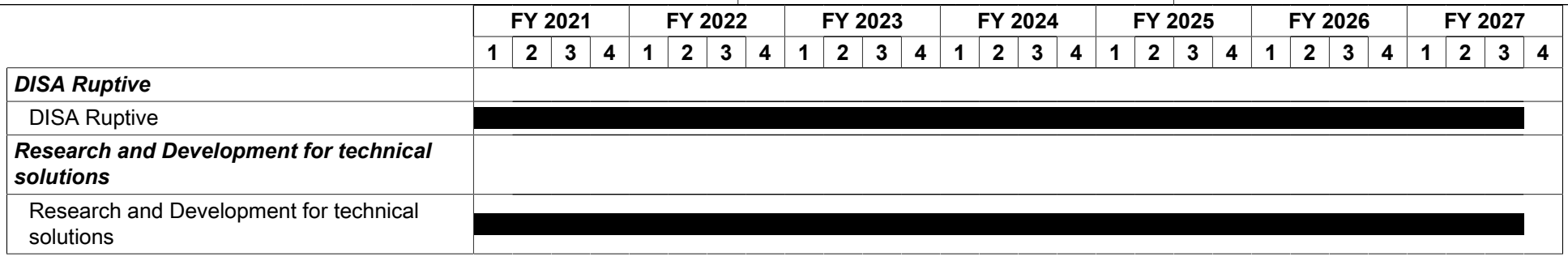


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *DoD Information Network (DODIN) Systems Engineering and Support*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Technical Direction Agent (TDA)				
Technical Direction Agent (TDA)	1	2017	4	2024
Engineering Support				
Engineering Support	1	2017	4	2024
Industry/University Technical Research				
Industry/University Technical Research	1	2017	4	2024
Technology Assessments				
Technology Assessments	1	2017	4	2027
DISA Ruptive				
DISA Ruptive	4	2020	3	2027
Research and Development for technical solutions				
Research and Development for technical solutions	4	2019	3	2027

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	Project (Number/Name) T-0010 / *Enterprise Messaging*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
T-0010: *Enterprise Messaging*	0.000	0.000	2.135	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Enterprise Messaging (EM) is an infrastructure service providing standardized mechanisms to exchange critical and globally visible data between applications/machines and provides the infrastructure for joint information sharing across the entire DoD. DISA Tasking Order (DTO) 15-544: Cybersecurity Risk Management Data Sharing mandates use of EM for messaging-to-messaging (M2M) data exchanges.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Enterprise Messaging (EM)	-	2.135	-
Description: Define and deploy a distributed EM capability that is highly available, secure, and scalable with redundancy, built-in self-recovery, and zero downtime for updates for the next major version of the EM capability. ***FY 2022 Plans:*** Build the test environments on Secure Internet Protocol Router/Non-Secure Internet Protocol Router (SIPR/NIPR) and developing new Enterprise Messaging technology to replace the current deployed systems. These systems will run in parallel until fully operational capability (FOC) is achieved. To achieve FOC an operational assessment of the new infrastructure, software, security requirements, and user functional testing will be completed. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The decrease of -$2.135 from FY 2022 to FY 2023 is due to project completion.			
Accomplishments/Planned Programs Subtotals	-	2.135	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T-0010 / *Enterprise Messaging*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Technical Services	C/FFP	TBD : TBD	-	-		2.135	Jul 2022	-		-		-	Continuing	Continuing	-
		Subtotal	-	-		2.135		-		-		-	Continuing	Continuing	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		2.135		-		-		-	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T-0010 / *Enterprise Messaging*

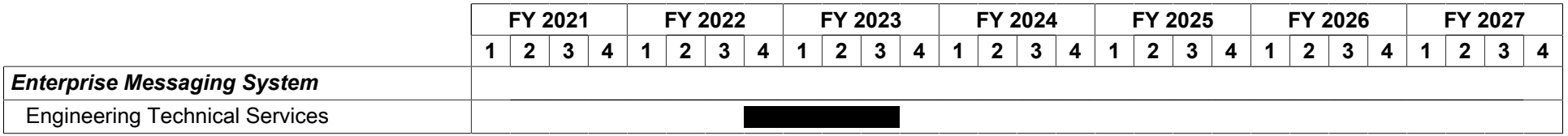


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T-0010 / *Enterprise Messaging*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Enterprise Messaging System				
Engineering Technical Services	4	2022	3	2023

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303126K / *Long-Haul Communications - DCS*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	212.458	10.343	10.275	13.195	-	13.195	13.474	12.860	12.142	12.366	Continuing	Continuing
T82: *DISN Systems Engineering Support*	212.458	10.343	10.275	13.195	-	13.195	13.474	12.860	12.142	12.366	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Information Systems Network (DISN) is the Department of Defenses (DoD's) consolidated worldwide telecommunications capability that provides secure, end-to-end information transport for DoD operations. It also provides the warfighter and the Combatant Commands (COCOMs) with a robust Command, Control, Communications, Computing, and Intelligence infrastructure to support DoD net-centric missions and business requirements. The Defense Red Switch Network (DRSN) is a DoD Secure Voice, Command and Control Network that is controlled and directed by the Joint Staff and the Office of the Secretary of Defense. It provides multi-level secure, rapid, ad hoc, voice calling and conferencing capability to the President, Secretary of Defense, Services, COCOMs, subordinate organizations (military and civilian) and coalition allies. DRSN also supports the Presidential and National Voice Conferencing (PNVC) (formerly known as National Emergency Action Decision Network (NEADN)) and the Enhanced Pentagon Capability/Survivable Emergency Conferencing Network. These funds support three major efforts:

DISN Systems Engineering Support: This effort includes engineering for Networking capabilities and optical transport capabilities to ensure the essential operations of a robust and secure DISN; refreshing the systems that instrument and automate the operations, administration, maintenance and provisioning functions and creating a single DISN-wide view for network managers and operators.

DoD Mobility: The Mobility Program will lead the development of an Enterprise Solution to support Controlled Unclassified Information (CUI) and leverage commercial carrier infrastructure to provide entry points for both classified and unclassified wireless capabilities. Continued evolution and expansion, within the Department, of the DoD Mobility program will allow for increased mobile services in direct support of the warfighter and the COCOMs.

The FY23 funding request was reduced by -$(1.796) million to account for the availability of prior year execution balances.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303126K *I Long-Haul Communications - DCS*

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	10.343	10.275	0.000	-	0.000
Current President's Budget	10.343	10.275	13.195	-	13.195
Total Adjustments	0.000	0.000	13.195	-	13.195
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	0.000	-	13.195	-	13.195

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President’s Budget request did not include out-year funding.

The increase of $2.920 in FY2023 is to support the sustainment of the Defense Red Switch Network(DSRN) to include the protection of TS/SCI level communications between POTUS and national security leadership.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303126K / *Long-Haul Communications - DCS*	Project (Number/Name) T82 / *DISN Systems Engineering Support*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
T82: *DISN Systems Engineering Support*	212.458	10.343	10.275	13.195	-	13.195	13.474	12.860	12.142	12.366	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Defense Information Systems Network (DISN) Systems Engineering Support project encompasses four activities:

Next Generation Networking Technologies (formally known as Internet Protocol (IP) and Optical Transport Technology Refresh): Provides engineering technical expertise to support and integrate newer, more efficient technologies required to replace end of lifecycle equipment and to achieve more efficient Networking technologies. These new technologies provide protected and assured services for critical support to the warfighter as well as other DoD and federal customers.

Element Management System (EMS): Provides operational and network operating systems that instrument and automate the operations, administration, maintenance and provisioning functions creating a single DISN-wide view for network managers and operators. EMS is a component of the DISN Operational Support Systems (OSS).

Peripheral and Component Design (Secure Voice Switches): This equipment satisfies unique military requirements for multi-level security (i.e., extensive conferencing/ conference management capabilities and features, and gateway functions) that are not available in commercial products.

DoD Mobility: Lead the research, development, and deployment of Enterprise controlled unclassified information (CUI) and classified mobile technologies, to increase information sharing and use of secure mobile devices across the global DoD. Continued evolution and expansion of mobility capabilities, within the Department, will revolutionized the way Combatant Commands, Services, and Agencies do work by enabling on-demand access to services and information anytime from anywhere.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Next Generation Networking Technologies (formally known as Internet Protocol (IP) and Optical Transport Technology Refresh)	5.866	4.583	3.737
Description: Provides engineering technical expertise to support and integrate newer, more efficient technologies required to replace end of lifecycle equipment and to achieve more efficient Networking technologies. These new technologies provide protected and assured services for critical support to the warfighter as well as other DoD and federal customers.			
FY 2022 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303126K / *Long-Haul Communications - DCS*	**Project (Number/Name)** T82 / *DISN Systems Engineering Support*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Will continue to perform Research, Test and Evaluation activities in Software Environment, Next Generational Networking to include Gray networks and all associated encryption technologies. ***FY 2023 Plans:*** Will continue to perform Research, Test and Evaluation activities in Software Environment, Next Generational Networking to include Gray networks and all associated encryption technologies. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The decrease of -$0.846 from FY 2022 FY 2023 is due to reduction in Network Architecture requirements.			
Title: Peripheral and Component Design ***Description:*** This equipment satisfies unique military requirements for multi-level security (i.e., extensive conferencing/conference management capabilities and features, and gateway functions) that are not available in commercial products. ***FY 2022 Plans:*** Continue to support replacement of obsolete equipment as it relates to Secure Voice Switches. ***FY 2023 Plans:*** Will continue to perform Research, Test and Evaluation activities in Software Environment, Next Generational Networking to include Gray networks and all associated encryption technologies as well as the development of CSSP. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $2.959 from FY 2022 to FY 2023 is due to the projected cost associated with the implementation of CSSP across the DRSN network.	0.002	1.547	4.506
Title: Mobility ***Description:*** The Mobility Program lead the research, development, and deployment of Enterprise controlled unclassified information (CUI) and classified mobile technologies, to increase information sharing and use of secure mobile devices across the global DoD. Continued evolution and expansion of mobility capabilities, within the Department, will revolutionized the way Combatant Commands, Services, and Agencies do work by enabling on-demand access to services and information anytime from anywhere. ***FY 2022 Plans:*** Identify, assess, explore, and develop unclassified and classified mobile technologies enhancements that will increase information sharing and use of secure mobile devices across the global DoD. Support moving towards a desktop zero environment. Developmental and production testing of new-model commercial mobile devices per product baseline, carrier, and platform authenticated against the Mobile Device Manager. Security, interoperability, and functional evaluation of mobile	4.475	4.145	4.952

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303126K / *Long-Haul Communications - DCS*	**Project (Number/Name)** T82 / *DISN Systems Engineering Support*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
applications. Production testing of the applications development framework and integration testing for infrastructure components. The modernization of the Secure View capability will require prototype work to deliver a SIPR data at rest capability in a Windows environment. The development and deployment of the Unclassified and Classified Mobility Gold Core pre-production environments will support ongoing and future mobility prototype integration testing with various DMUC and DMCC applications/ capabilities (i.e., email, purebred, etc.). ***FY 2023 Plans:*** Assess, test and expand the use of Derived Credentials capabilities to do continuous, multi-factor verification that leverages contextual attributes on a mobile device to make real-time security decisions within the device and when accessing remote systems; leveraging a device's innate functionality (e.g., application sandboxing, camera, GPS, etc.) to sense and measure the environment, user interaction and application interaction to ascertain risk. Develop mobile access control functionalities that leverage cloud-based technology to secure access to critical data without the need for resident data on the mobile device. Identify, assess, explore, and develop standardized, cost-effective automated methods and tools to develop, vet, deploy and manage mobile applications. Explore and test 5G capabilities and applications that can enable the use of 5G features such as network slicing and mobile edge cloud architectures. Modernize the current DoD Mobility Unclassified Capability (DMUC) applications and capabilities by acquire and deploying a cloud-based Next Generation Enterprise Mobile Management (EMM) capabilities, which will enable DoD-wide utilization of non-Government owned (i.e., personally, or corporately owned) mobile devices, enhanced threat protection for mobile applications, and integrated security monitoring. Evaluate and deploy a virtual/ zero desktop infrastructure and applications that can deliver information to mobile devices using laptops, tablets, or smartphones. Developmental and production testing to enhance and expand the next generation Windows Data-At-Rest for Secret (WINDAR-S) capability. Assess, test, and deploy future DoD Mobility Classified Capability - Secret (DMUCC-S) technologies to enable access to secure classified voice/data communications through off-the-shelf products. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $0.807 from FY 2022 to FY 2023 is due to increased support of technology innovation initiatives including Zero Trust and Enterprise Perimeter Protection (EPP); allowing for enterprise cloud access and security broker. Zero Trust and EPP establishes a protection barrier between the Internet, mission partner networks, and commercial cloud services, providing the ability to detect, inspect, block, and collect traffic in accordance with security policies.			
Accomplishments/Planned Programs Subtotals	10.343	10.275	13.195

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303126K / *Long-Haul Communications - DCS*	**Project (Number/Name)** T82 / *DISN Systems Engineering Support*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• O&M/PE0303126K: *Operation & Maintenance, Defense-Wide*	127.029	128.714	-	-	-	-	-	-	-	Continuing	Continuing
• Procurement/PE0303126K: *Procurement, Defense-Wide*	28.141	26.982	-	-	-	-	-	-	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

Products acquired for Element Management System (EMS) requirements are professional services, network management software, supporting hardware, and development tools. Professional services will be procured through existing contracts available to DISA. The DISA Computing Services will be used for hardware and software leased managed services, as well as the National Aeronautics and Space Administration (NASA) enterprise equipment contracting vehicle when necessary and applicable.

The Internet Protocol (IP) enabling of the DRSN Digital Small Switch (DSS-2A) switch, Secure voice conference management improvements, High Altitude Electromagnetic Pulse (HEMP) Phone and related DRSN components will use an existing Air Force Command and Control Switching Systems (CCSS) Depot Support contract with the Secure Voice Switch systems manufacturer (Raytheon) to perform the development and modification work, system integration and testing support.

The Mobility initiative supports systems engineering and development of a DoD Mobility solution. The focus is on acquisitions to support the program across the DoD to include scheduling, delivery approach, and risk management. This also includes the vision and phased approach to unified capabilities for classified and unclassified wireless capabilities to meet DoD needs.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303126K / *Long-Haul Communications - DCS*	**Project (Number/Name)** T82 / *DISN Systems Engineering Support*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering for DSRN Components & Peripherals	Various	Raytheon : Florida	17.152	1.462	Mar 2021	1.462	Mar 2022	1.945	Mar 2023	-		1.945	Continuing	Continuing	Continuing
Systems Engineering for IP Enabling DSS-2A Secure Voice Switch	C/T&M	Raytheon : Florida	21.440	-		-		-		-		-	0.000	21.440	-
Engineering &Technical Services for Information Sharing Services for Voice	C/T&M	SAIC : VA	2.774	-		-		-		-		-	0.000	2.774	-
Engineering & Technical Services for Network Mgmt Solutions for New DISN Element Technologies	C/T&M	Various : VA	2.026	-		-		-		-		-	0.000	2.026	-
Single Sign On	C/T&M	SAIC : Various	1.397	-		-		-		-		-	0.000	1.397	-
System Engineering for VoSIP	C/T&M	Various : Various	1.218	-		-		-		-		-	0.000	1.218	-
Space Vehicle Upload	SS/CPFF	Iridium : McLean, VA	12.635	-		-		-		-		-	0.000	12.635	-
Gateway Improvement	SS/CPFF	Iridium : McLean, VA	13.565	-		-		-		-		-	0.000	13.565	-
Field Application Tool	MIPR	NSWC : Dahlgren	6.635	-		-		-		-		-	0.000	6.635	-
DTCS Handset	SS/CPFF	Iridium : McLean, VA	5.850	-		-		-		-		-	0.000	5.850	-
Command and Control Handset	SS/CPFF	Iridium : McLean, VA	7.275	-		-		-		-		-	0.000	7.275	-
Alt. Supplier Development	MIPR	NSWC : Dahlgren, VA	3.450	-		-		-		-		-	0.000	3.450	-
Radio Only Interface	MIPR	NSWC : Dahlgren, VA	2.525	-		-		-		-		-	0.000	2.525	-
Remote Control Unit	SS/CPFF	Iridium : McLean, VA	2.100	-		-		-		-		-	0.000	2.100	-
Type 1 Security	SS/CPFF	Iridium : McLean, VA	6.455	-		-		-		-		-	0.000	6.455	-
Vehicle Integration	MIPR	NSWC : Dahlgren, VA	3.185	-		-		-		-		-	0.000	3.185	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303126K / *Long-Haul Communications - DCS*	Project (Number/Name) T82 / *DISN Systems Engineering Support*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering for IP and Optical Technology Refresh	Various	DITCO : Various	8.717	-		-		-		-		-	0.000	8.717	-
Engineering & Technical Services for Web Based Mediation	C/T&M	Apptis : VA	1.168	-		-		-		-		-	0.000	1.168	-
System Engineering and Technical Services for ISOM	Various	DITCO : Various	2.915	-		-		-		-		-	0.000	2.915	-
Serialized Asset Management - OSS	C/T&M	SAIC : VA	0.822	-		-		-		-		-	0.000	0.822	-
Gateways - Mobility	C/FFP	Various : Various	7.107	-		-		-		-		-	0.000	7.107	-
Thin Client Solution - Mobility	C/Various	Various : Various (MDM)	2.154	-		-		-		-		-	0.000	2.154	-
New Field Communications	C/FFP	Various : Various	0.550	-		-		-		-		-	0.000	0.550	-
National Conference Management	MIPR	USAF : Raytheon	4.514	-		-		-		-		-	0.000	4.514	-
IP Enable DRSN	MIPR	USAF : Raytheon	1.562	0.355	Mar 2021	0.355	Mar 2022	-		-		-	Continuing	Continuing	-
HEMP Phone Development	MIPR	USAF : Raytheon	0.869	-		-		-		-		-	0.000	0.869	-
100G Optical	Various	Various : Various	0.337	-		-		-		-		-	0.000	0.337	-
Defense Production Act III Optical Networking	Various	Various : Various	2.666	-		-		-		-		-	0.000	2.666	-
DoD Mobility Capability Service Assurance	C/FFP	Various (JITC, HYPHONI) : Various	2.316	-		-		-		-		-	0.000	2.316	-
System Engineering & Future Technology Support	SS/CPFF	SPAWAR : Charleston	2.420	-		-		-		-		-	0.000	2.420	-
System Engineering Support DMCC/DMUC	C/FFP	BAH : Annapolis Junction MD	4.530	1.449	Feb 2021	1.449	Feb 2022	-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303126K / *Long-Haul Communications - DCS*	Project (Number/Name) T82 / *DISN Systems Engineering Support*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DIUx-Mobility APP Vetting and MSM tools (MTD)	MIPR	Zimperium : Dallas TX	2.237	-		-		-		-		-	0.000	2.237	-
MES-C-DMCC Buildout/ VDI	SS/CPFF	APRIVA/SPAWAR : APRIVA/SPAWAR	1.139	1.300	Oct 2020	0.736	Oct 2021	-		-		-	Continuing	Continuing	-
MES-(Unclassified) and MES-(Classified)/NEW Contract	C/FFP	BAH : Annapolis Junction MD	-	-		-		2.369	May 2023	-		2.369	Continuing	Continuing	-
		Subtotal	155.705	4.566		4.002		4.314		-		4.314	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
IT Support - Mobility	C/FFP	Arieds, LLC : Ft. Meade	2.300	-		-		-		-		-	0.000	2.300	-
NS2 SE Support - Mobility	C/FFP	APPTIS : Ft. Meade	0.311	-		-		-		-		-	0.000	0.311	-
IT Support - Mobility	Various	Various : Various	4.050	1.050	Oct 2020	1.050	Oct 2021	2.241	Dec 2022	-		2.241	Continuing	Continuing	-
PNVC Software enhancements	C/CPFF	General Dynamics : NSA	5.900	-		-		-		-		-	0.000	5.900	-
		Subtotal	12.561	1.050		1.050		2.241		-		2.241	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Certification Testing	Various	JITC : Various	8.242	-		-		-		-		-	0.000	8.242	-
Test & Evaluation Support - Mobility	Various	JITC : Ft. Meade	7.143	0.950	Oct 2020	0.950	Oct 2021	0.153	Nov 2022	-		0.153	Continuing	Continuing	-
Integration, Test and Modification - Mobility	Various	Various : Various	7.158	-		-		-		-		-	0.000	7.158	-
DISN Tech Refresh	Various	Various : Various	19.344	3.777	Dec 2020	4.273	Dec 2021	6.298	Nov 2022	-		6.298	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303126K / *Long-Haul Communications - DCS*	Project (Number/Name) T82 / *DISN Systems Engineering Support*	

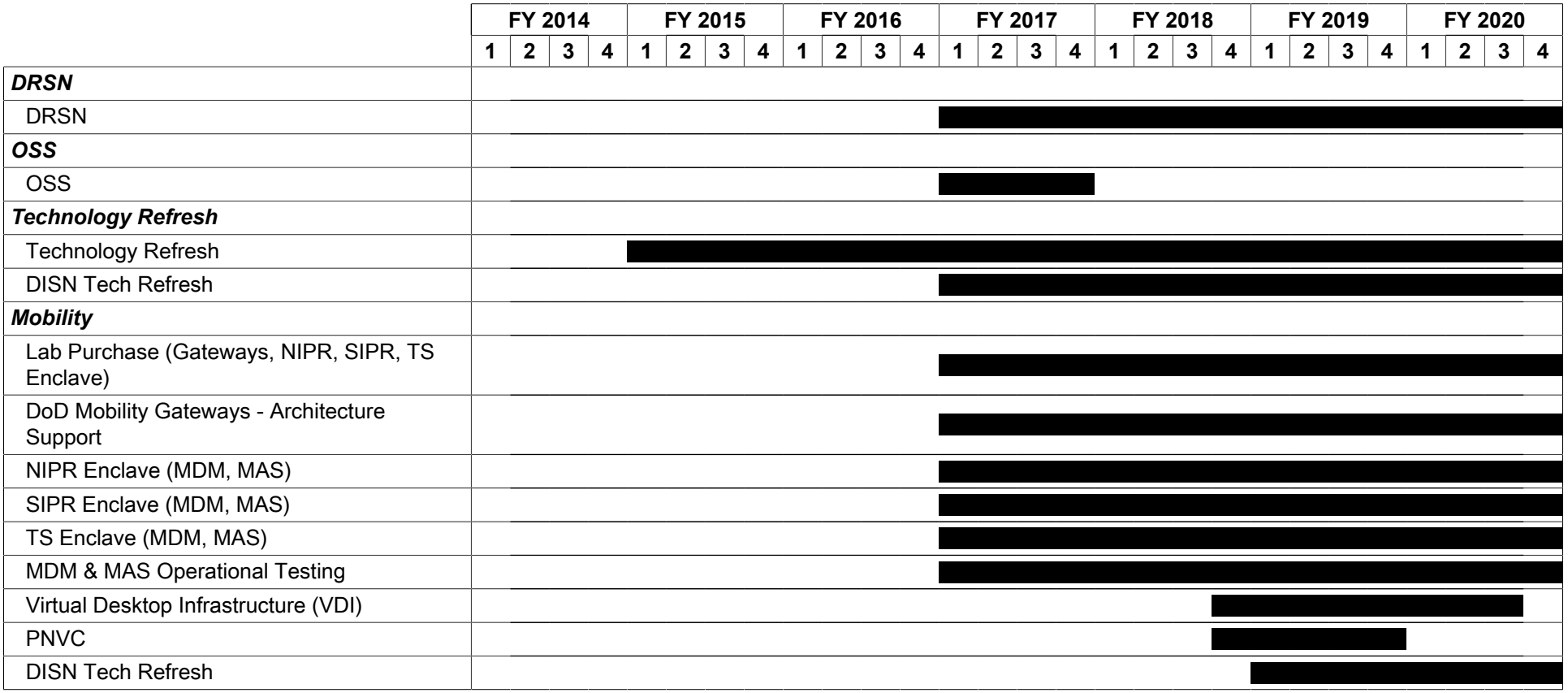
Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Various	Various	Various : Various	2.305	-		-		0.189	Dec 2022	-		0.189	Continuing	Continuing	-
		Subtotal	44.192	4.727		5.223		6.640		-		6.640	Continuing	Continuing	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	212.458	10.343		10.275		13.195		-		13.195	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303126K / *Long-Haul Communications - DCS*	**Project (Number/Name)** T82 / *DISN Systems Engineering Support*



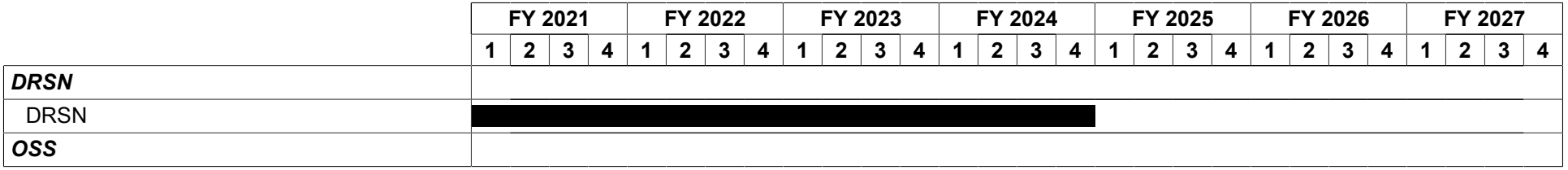


Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303126K / *Long-Haul Communications - DCS*	**Project (Number/Name)** T82 / *DISN Systems Engineering Support*

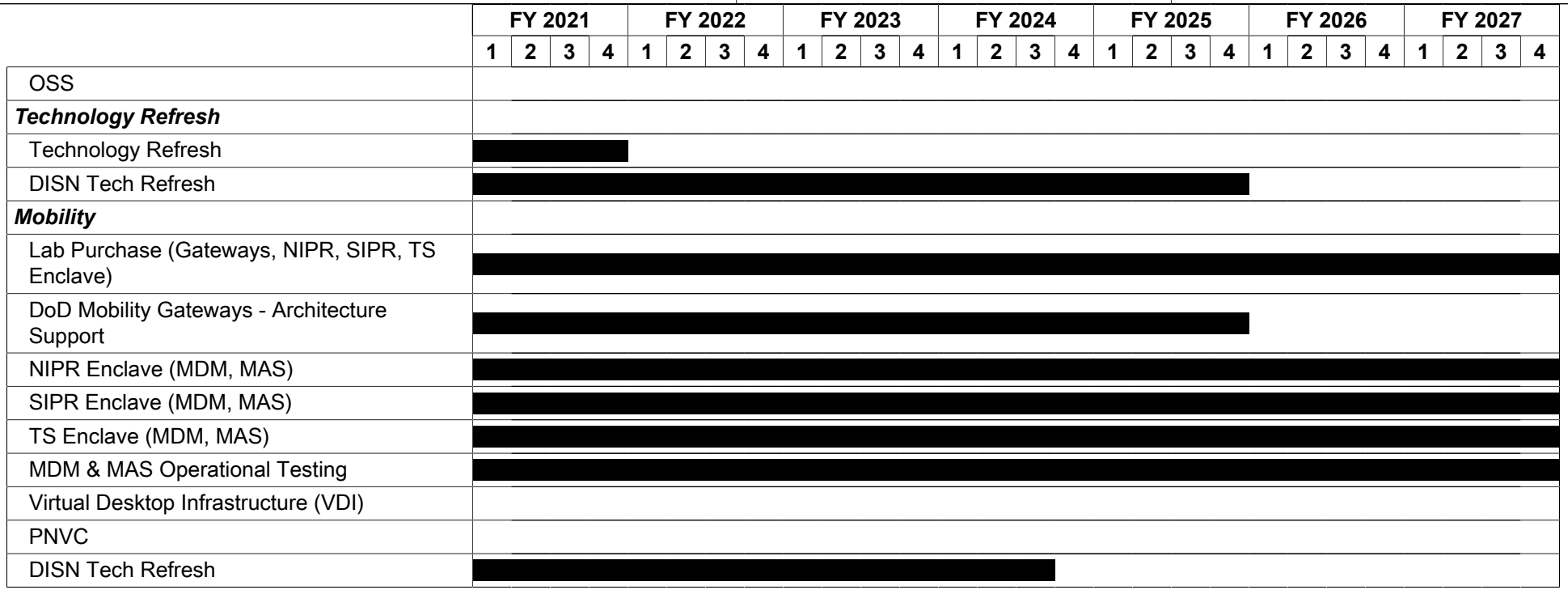


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303126K / *Long-Haul Communications - DCS*	**Project (Number/Name)** T82 / *DISN Systems Engineering Support*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
DRSN				
DRSN	1	2017	4	2024
OSS				
OSS	1	2017	4	2017
Technology Refresh				
Technology Refresh	1	2015	4	2021
DISN Tech Refresh	1	2017	4	2025
Mobility				
Lab Purchase (Gateways, NIPR, SIPR, TS Enclave)	1	2017	4	2027
DoD Mobility Gateways - Architecture Support	1	2017	4	2025
NIPR Enclave (MDM, MAS)	1	2017	4	2027
SIPR Enclave (MDM, MAS)	1	2017	4	2027
TS Enclave (MDM, MAS)	1	2017	4	2027
MDM & MAS Operational Testing	1	2017	4	2027
Virtual Desktop Infrastructure (VDI)	4	2018	3	2020
PNVC	4	2018	4	2019
DISN Tech Refresh	1	2019	3	2024

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303131K *I Minimum Essential Emergency Communications Network (MEECN)*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	82.340	5.392	4.892	5.746	-	5.746	5.437	5.665	5.828	5.947	Continuing	Continuing
T64: *Special Projects*	82.340	5.392	4.892	5.746	-	5.746	5.437	5.665	5.828	5.947	Continuing	Continuing

A. Mission Description and Budget Item Justification

Minimum Essential Emergency Communications Network (MEECN) provides the Nuclear Command, Control, and Communications (NC3) Engineer with plans and procedures, systems analysis, operational assessments, systems engineering, and development of concepts of operation and architectures. The NC3 System provides connectivity from the President and the Secretary of Defense through the National Military Command System to nuclear execution forces integral to fighting a “homeland-to-homeland,” as well as theater nuclear war. MEECN includes the Emergency Action Message dissemination systems and those systems used for integrated Tactical Warning/Attack Assessment, presidential decision-making conferencing, force report back, re-targeting, force management, and requests for permission to use nuclear weapons. Efforts assure positive control of nuclear forces and connectivity between the Secretary of Defense, military forces, and an informed decision-making linkage between the President, the Secretary of Defense, and the Combatant Commands. MEECN ensures our national leadership has proper command and control of our forces during times of national emergency, up to and including nuclear war.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	5.392	4.892	0.000	-	0.000
Current President's Budget	5.392	4.892	5.746	-	5.746
Total Adjustments	0.000	0.000	5.746	-	5.746
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	0.000	-	5.746	-	5.746

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President’s Budget request did not include out-year funding.

This program is Classified.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303131K / *Minimum Essential Emergency Communications Network (MEECN)*	Project (Number/Name) T64 / *Special Projects*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
T64: *Special Projects*	82.340	5.392	4.892	5.746	-	5.746	5.437	5.665	5.828	5.947	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The mission is performing classified work. All aspects of this project are classified and require special access. Detailed information on this project is not contained in this document.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Special Projects	5.392	4.892	5.746
Description: Program is classified and exhibit will be provided under a separate cover. ***FY 2022 Plans:*** Program is classified and exhibit will be provided under a separate cover. ***FY 2023 Plans:*** Program is classified and exhibit will be provided under a separate cover. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Program is classified and exhibit will be provided under a separate cover.			
Accomplishments/Planned Programs Subtotals	5.392	4.892	5.746

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

Program is classified and exhibit will be provided under a separate cover.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303131K / *Minimum Essential Emergency Communications Network (MEECN)*	Project (Number/Name) T64 / *Special Projects*	

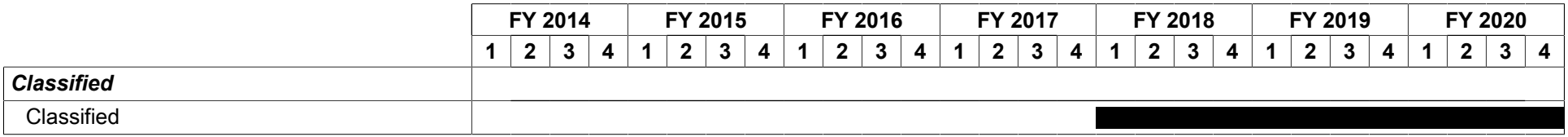
Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Classified	Various	Classified : Classified	82.340	5.392	Oct 2020	4.892	Oct 2021	5.746	Oct 2022	-		5.746	Continuing	Continuing	-
		Subtotal	82.340	5.392		4.892		5.746		-		5.746	Continuing	Continuing	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	82.340	5.392		4.892		5.746		-		5.746	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303131K / *Minimum Essential Emergency Communications Network (MEECN)*	**Project (Number/Name)** T64 / *Special Projects*



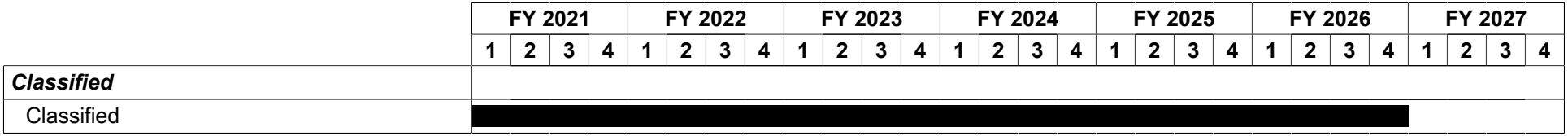


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303131K / *Minimum Essential Emergency Communications Network (MEECN)*	**Project (Number/Name)** T64 / *Special Projects*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Classified				
Classified	1	2018	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303140K / *Information Systems Security Program*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	82.060	6.217	5.707	7.005	-	7.005	8.657	8.412	8.411	8.589	Continuing	Continuing
IA3: *Information Systems Security Program*	82.060	6.217	5.707	7.005	-	7.005	8.657	8.412	8.411	8.589	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Information Systems Security Program (ISSP) mission focuses on developing Department of Defense (DoD) enterprise solutions to Combatant Commands, Services, and Defense-wide agencies to ensure critical mission execution in the face of cyber attacks. The ISSP ensures that, the network, the computing centers, and core enterprise services will evolve to better support a joint cybersecurity/information assurance model that has common enterprise-scale perimeter defenses and will support a broad range of sharing policies from completely unclassified to tightly-held within a classified community. The ISSP will test and develop active-active defensive capabilities; test and integrate software defined networking and orchestration closed-loop security; perform research, development and engineering of emerging cyber situational awareness technologies; harden the network by providing architecture support, systems engineering and analytical functions for Endpoint and Perimeter defense capabilities; cyber IT infrastructure and automation support to deploy enterprise-wide next generation identity technologies; and develop and evolve an integrated cyber domain security workforce to be on the leading edge of defensive capabilities.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	6.217	5.707	0.000	-	0.000
Current President's Budget	6.217	5.707	7.005	-	7.005
Total Adjustments	0.000	0.000	7.005	-	7.005
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	0.000	-	7.005	-	7.005

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.
The increase of $1.298 in FY2023 is due to increases in engineering and testing contract support.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303140K / *Information Systems Security Program*	Project (Number/Name) IA3 / *Information Systems Security Program*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
IA3: *Information Systems Security Program*	82.060	6.217	5.707	7.005	-	7.005	8.657	8.412	8.411	8.589	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Information Systems Security Program (ISSP) mission focuses on developing Department of Defense (DoD) enterprise solutions to Combatant Commands, Services, and Defense-wide agencies to ensure critical mission execution in the face of cyber attacks. The ISSP ensures that, the network, the computing centers, and core enterprise services will evolve to better support a joint cybersecurity/information assurance model that has common enterprise-scale perimeter defenses and will support a broad range of sharing policies from completely unclassified to tightly-held within a classified community. The ISSP will test and develop active-active defensive capabilities; test and integrate software defined networking and orchestration closed-loop security; perform research, development and engineering of emerging cyber situational awareness technologies; harden the network by providing architecture support, systems engineering and analytical functions for Endpoint and Perimeter defense capabilities; cyber IT infrastructure and automation support to deploy enterprise-wide next generation identity technologies; and develop and evolve an integrated cyber domain security workforce to be on the leading edge of defensive capabilities.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Cyber Innovation and Technology	3.718	0.459	0.081
Description: Provide research and development, conduct technology assessments, rapidly produce prototypes using commercial solutions, validate assumptions, and provide empirical data to drive real time enterprise solutions and decisions in assisting DoD requirement owners for enterprise fielding of innovative gap fillers to address cyber capabilities and militarization of commercial information assurance capabilities tactical edge. All project undertaken directly increase information sharing capabilities and assure C2 functionality against a common operating picture. The program will leverage its robust IT infrastructure to develop small prototypes to find cost saving initiatives across the DoD Information Network (DODIN) in an effort to provide the DoD with faster more reliable communications capabilities. These solutions will look to provide enhanced warfighting technology and research development programs improving the protection, survivability, mobility and combat effectiveness of the DoD.			
FY 2022 Plans: Continued assessment, testing, prototype improvement and implementation of DoDCAR (DoD Cybersecurity Analysis and Review processes. This includes portfolio management against threat coverage and the execution of deeper analyses of advisory behaviors within DoD Networks.			
FY 2023 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303140K / *Information Systems Security Program*	**Project (Number/Name)** IA3 / *Information Systems Security Program*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Continued assessment, testing, prototype improvement and implementation of DoDCAR (DoD Cybersecurity Analysis and Review processes. This includes portfolio management against threat coverage and the execution of deeper analyses of advisory behaviors within DoD Networks. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The decrease of -$0.378 from FY 2022 to FY 2023 is due to reduction in contract support.			
Title: Zero Trust Architecture (ZTA) ***Description:*** Will develop, test, and evaluate the technologies required for the implementation of ZTA. ***FY 2022 Plans:*** To develop, test, and evaluate technologies, identify critical applications on NIPR and begin SIPR development that are required to improve security, and analyze backbone design, gateway, and mobility infrastructure for necessary improvements. ***FY 2023 Plans:*** Continue testing and development of Zero Trust capabilities within new NIPR environments and potentially SIPR environment to improve overall security. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $2.501 from FY 2022 to FY 2023 is due to the increase of software license purchases.	2.499	2.053	4.554
Title: Secure Application Development (DevSecOps) Program ***Description:*** Will provide an enterprise capability for an automated DevSecOps platform that programs can use to rapidly and automatically build, accredit, secure, test, deploy, monitor, and protect newly developed applications.	0.000	-	-
Title: PKI/Software Defined Enterprise (SDE) ***Description:*** Identify, develop and enforce the adoption of software defined technologies to modernize service delivery and cyber operations. ***FY 2022 Plans:*** Develop and enforce the adoption of software defined technologies to modernize service delivery and cyber operations, to ensure the efforts conform to the DISA SDE strategy. ***FY 2023 Plans:***	-	1.876	0.823

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303140K / *Information Systems Security Program*	**Project (Number/Name)** IA3 / *Information Systems Security Program*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Continue to develop and enforce the adoption of software defined technologies to modernize service delivery and cyber operations, to ensure the efforts conform to the DISA SDE strategy. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The decrease of -$1.053 from FY 2022 to FY 2023 is due to engineering support reductions.			
Title: License and Support ***Description:*** ESS will perform proof of concept research for new endpoint security capabilities. ***FY 2022 Plans:*** Support licenses and engineering support of proof of concept capabilities for endpoint security. ***FY 2023 Plans:*** ESS will continue to perform proof of concept research for new endpoint security capabilities. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $0.228 from FY 2022 to FY 2023 is due to escalation of labor cost and SW cost.	-	1.319	1.547
Accomplishments/Planned Programs Subtotals	6.217	5.707	7.005

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• O&M, DW: *PE 0303140K*	56.974	59.237	-	-	-	-	-	-	-	Continuing	Continuing
• Procurement, DW: *PE 0303140K*	4.160	2.214	-	-	-	-	-	-	-	Continuing	Continuing

Remarks

N/A

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303140K / *Information Systems Security Program*	**Project (Number/Name)** IA3 / *Information Systems Security Program*	

Support ($ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total			
Cost Category Item	**Contract Method & Type**	**Performing Activity & Location**	**Prior Years**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Cost To Complete**	**Total Cost**	**Target Value of Contract**
ZND Technology Assessment/Evaluation for email capability Tech Refresh	C/FFP	ASRC Federal : Beltsville, MD	16.705	-		-		-		-		-	0.000	16.705	-
DoD Cyber Security Range (CSR) Virtual Training Environment	C/FFP	ManTech : Fairfax, VA	2.198	-		-		-		-		-	0.000	2.198	-
DoD Cyber Security Range (CSR) Virtual Training Environment - Re-compete	C/FFP	ManTech : Fairfax, VA	1.683	-		-		-		-		-	Continuing	Continuing	-
DoD Endpoint Security Solutions (ESS)	C/FFP	TBD : TBD	-	-		1.319	Jan 2022	1.547	Sep 2023	-		1.547	Continuing	Continuing	-
Cyber HQs Support	C/FFP	Bylight : Fort Meade, MD	18.705	-		-		-		-		-	0.000	18.705	-
Joint Information Operations Range (JIOR) Connection	C/FFP	ManTech : Stafford, VA	0.260	-		-		-		-		-	Continuing	Continuing	-
DISA EA Model Development for Cyber Security and Network Technical Domains, DODCAR Cyber Analysis Tool Development	C/FFP	Various : Various	4.507	0.464	Jan 2021	0.459	Jan 2022	0.081	Jan 2023	-		0.081	Continuing	Continuing	-
Deployment of Blockchain and Next Generation Identity	C/FFP	TBD : TBD	6.000	1.494	Jan 2021	-		-		-		-	Continuing	Continuing	-
Cyber Innovation and Technology	C/FFP	TBD : TBD	5.000	-		-		-		-		-	Continuing	Continuing	-
Identity, Credential, and Access Management (ICAM)	C/FFP	TBD : TBD	27.002	-		-		-		-		-	Continuing	Continuing	-
Sharkseeker	C/FFP	TBD : TBD	-	3.147		1.876	Nov 2021	-		-		-	Continuing	Continuing	-
Zero Trust Architecture (ZTA)	C/FFP	TBD : TBD	-	1.112		2.053	Nov 2021	4.554	Nov 2022	-		4.554	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303140K / *Information Systems Security Program*	**Project (Number/Name)** IA3 / *Information Systems Security Program*

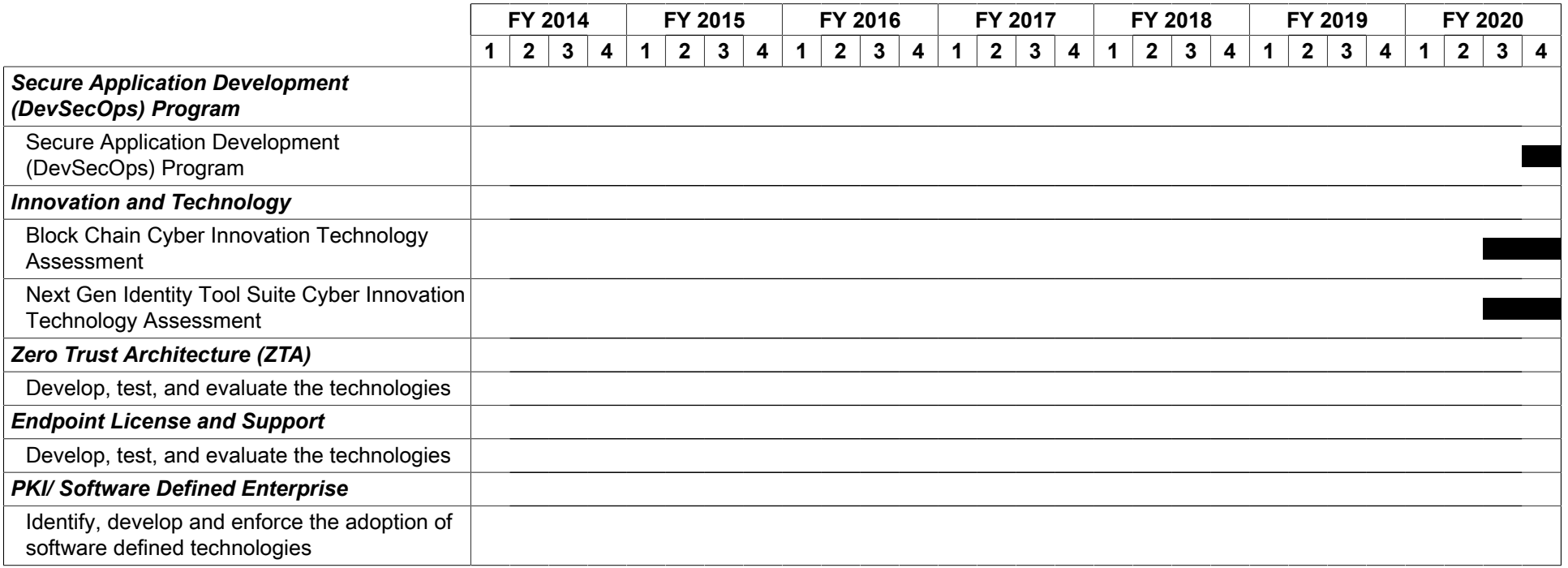
Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PKI/Software Defined Enterprise	C/FFP	TBD : TBD	-	-		-		0.823	Nov 2022	-		0.823	Continuing	Continuing	-
		Subtotal	82.060	6.217		5.707		7.005		-		7.005	Continuing	Continuing	N/A

	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	82.060	6.217		5.707		7.005		-		7.005	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303140K / *Information Systems Security Program*	**Project (Number/Name)** IA3 / *Information Systems Security Program*



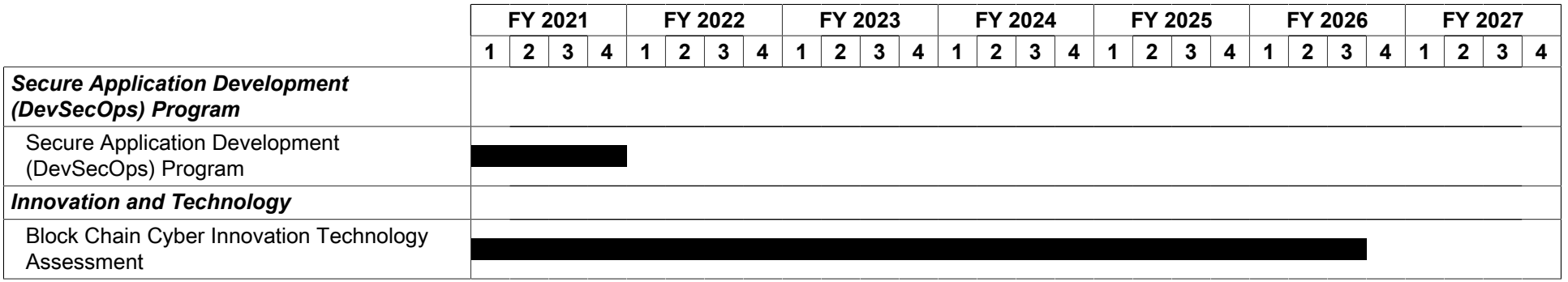


Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303140K / *Information Systems Security Program*	**Project (Number/Name)** IA3 / *Information Systems Security Program*

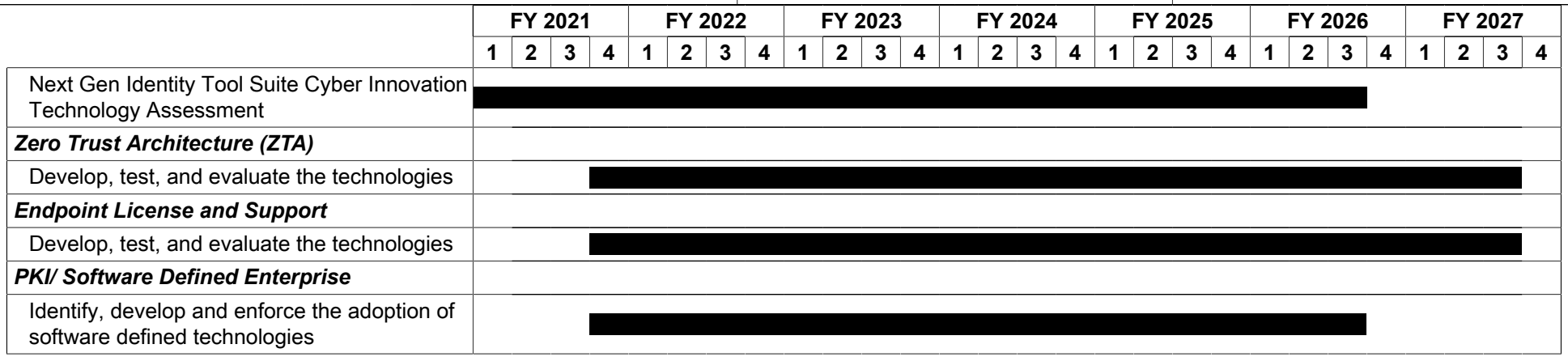


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303140K / *Information Systems Security Program*	**Project (Number/Name)** IA3 / *Information Systems Security Program*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Secure Application Development (DevSecOps) Program				
Secure Application Development (DevSecOps) Program	4	2020	4	2021
Innovation and Technology				
Block Chain Cyber Innovation Technology Assessment	3	2020	3	2026
Next Gen Identity Tool Suite Cyber Innovation Technology Assessment	3	2020	3	2026
Zero Trust Architecture (ZTA)				
Develop, test, and evaluate the technologies	4	2021	3	2027
Endpoint License and Support				
Develop, test, and evaluate the technologies	4	2021	3	2027
PKI/ Software Defined Enterprise				
Identify, develop and enforce the adoption of software defined technologies	4	2021	3	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	632.163	73.630	4.150	10.020	-	10.020	5.793	3.532	6.713	12.318	Continuing	Continuing
CC01: *Joint Planning and Execution Services (JPES)*	632.163	73.630	4.150	10.020	-	10.020	5.793	3.532	6.713	12.318	Continuing	Continuing

A. Mission Description and Budget Item Justification

Joint Planning & Execution Services (JPES) is a set of critical Joint Command & Control (JC2) Global Force Management (GFM) capabilities that provide mission-enabling information systems for the planning and execution of global military operations. The JPES program consists of two operational systems: 1) Joint Operations Planning and Execution System (JOPES) and 2) Joint Capabilities Requirements Manager (JCRM) and two development efforts: 1) JPES which will modernize JOPES in phase 1 and JCRM in phase 2 and 2) Joint Collaboration Tool (JCT) which will replace legacy Newsgroups.

JOPES is the critical Joint Command and Control (C2) system that provides an automated force planning and execution capability necessary for simultaneous and resource-informed planning activities supporting thousands of operational users across the globe. There is no alternate capability to fulfill the JOPES' mission and there are 16 external systems across the Combatant Commands, Military Services, and Defense Agencies that are dependent on JOPES to perform their force planning and execution activities.

JCRM is a web-based application and database supported by web services enabling the Global Force Management Allocation Process (GFMAP) for CCMDs to draft, staff, store, and submit force requirements for contingency plans, and operations worldwide. JCRM is vital to managing and sourcing complex global force requirements and tracking the distribution of US military forces among the CCMDs. There is no alternate capability to fulfill the JCRM mission.

JCT serves as a secure messaging system that CCMDs, Military Services and Lift Providers utilize to collaborate and communicate with each other to source, validate and support requirements.

Not funding JPES places the planning and execution of military operations at significant risk of mission failure.

Note: GCCS-J transitioned from this BA/PE to BA-8/PE0303150K with the FY21 PB. Prior to that time PE included both GCCS-J, JOPES, and JPES.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303150K *I Global Command and Control System*

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	73.630	4.150	0.000	-	0.000
Current President's Budget	73.630	4.150	10.020	-	10.020
Total Adjustments	0.000	0.000	10.020	-	10.020
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	0.000	-	10.020	-	10.020

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President’s Budget request did not include out-year funding.

The FY 2023 increase of $5.870 is due to modernization of JPES capability.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303150K / *Global Command and Control System*	Project (Number/Name) CC01 / *Joint Planning and Execution Services (JPES)*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
CC01: *Joint Planning and Execution Services (JPES)*	632.163	73.630	4.150	10.020	-	10.020	5.793	3.532	6.713	12.318	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Joint Planning & Execution Services (JPES) is a set of critical Joint Command & Control (JC2) Global Force Management (GFM) capabilities that provide mission-enabling information systems for the planning and execution of global military operations. The JPES program consists of two operational systems: 1) Joint Operations Planning and Execution System (JOPES) and 2) Joint Capabilities Requirements Manager (JCRM) and two development efforts: 1) JPES which will modernize JOPES in phase 1 and JCRM in phase 2 and 2) Joint Collaboration Tool (JCT) which will replace legacy Newsgroups.

JOPES is the critical Joint Command and Control (C2) system that provides an automated force planning and execution capability necessary for simultaneous and resource-informed planning activities supporting thousands of operational users across the globe. There is no alternate capability to fulfill the JOPES' mission and there are 16 external systems across the Combatant Commands, Military Services, and Defense Agencies that are dependent on JOPES to perform their force planning and execution activities.

JCRM is a web-based application and database supported by web services enabling the Global Force Management Allocation Process (GFMAP) for CCMDs to draft, staff, store, and submit force requirements for contingency plans, and operations worldwide. JCRM is vital to managing and sourcing complex global force requirements and tracking the distribution of US military forces among the CCMDs. There is no alternate capability to fulfill the JCRM mission.

JCT serves as a secure messaging system that CCMDs, Military Services and Lift Providers utilize to collaborate and communicate with each other to source, validate and support requirements.

Not funding JPES places the planning and execution of military operations at significant risk of mission failure.

Note: GCCS-J transitioned from this BA/PE to BA-8/PE0303150K with the FY21 PB. Prior to that time PE included both GCCS-J, JOPES, and JPES.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Joint Planning and Execution Services (JPES)	73.630	4.150	10.020
Description: JPES is a collection of capabilities supporting joint policies, processes, procedures, and reporting structures, that are supported by communications and information technology used by the Joint Planning and Execution Community (JPEC). JPEC uses these capabilities to monitor, plan, and execute: mobilization, deployment, employment, sustainment, redeployment, and demobilization activities associated with joint operations.			
FY 2022 Plans: JPES PMO will continue to meet the JS approved and prioritized functional requirements to support Global Force Management (GFM). We will continue JPES solution development to sunset legacy system; continue sustainment of legacy system including			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System*	**Project (Number/Name)** CC01 / *Joint Planning and Execution Services (JPES)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
cybersecurity and Commercial Off the Shelf (COTS) end-of-life upgrades, continue sustainment of Joint Capabilities Requirements Manager (JCRM) including cybersecurity and COTS end-of-life upgrades, and continue integrating additional external partners requesting GFM data. ***FY 2023 Plans:*** JPES PMO will continue to meet the JS approved and prioritized functional requirements to support Global Force Management (GFM). The development of a modernized JPES solution will continue to sunset JOPES NLT 3QFY23; the sustainment of the operational system JOPES including cybersecurity enhancements and Commercial Off the Shelf (COTS) end-of-life upgrades as well as the continued sustainment of the operational system JCRM to also include cybersecurity enhancements and COTS end-of-life upgrades, the deployment of a fully operational JCT and continue integrating additional external partners requesting GFM data. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $5.870 from FY 2022 to FY 2023 is the result of increase to modernized JPES capability.			
Accomplishments/Planned Programs Subtotals	73.630	4.150	10.020

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• PE 0303150K: *Operation & Maintenance, Defense-Wide*	44.507	45.269	15.469	-	15.469	-	-	-	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

Use of performance-based contract awards is maximized while use of Time and Material contracts is minimized to those providing programmatic support versus software development, integration, or testing. All development, integration, and migration efforts within the portfolio are primarily supported through Cost Reimbursable Task Orders issued under competitively awarded contracts and Firm-Fixed Priced contracts for systems in sustainment that have clearly defined and stable requirements. Acquisition Strategies are structured to retain contractors capable of satisfying cost, schedule, and performance objectives. Contract awards incorporate provisions requiring contractors to establish and manage specific earned value data. This strategy mitigates risk by requiring monthly Contract Performance Reviews (CPRs) and utilizing award fee contracts where appropriate to incentivize performance. JPES applies formal acquisition rigor to include reporting requirements, as appropriate, by acquisition program designation.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303150K / *Global Command and Control System*	Project (Number/Name) CC01 / *Joint Planning and Execution Services (JPES)*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development 1	C/CPFF	NGMS : Reston, VA	20.289	-		-		-		-		-	0.000	20.289	-
Product Development 2	FFRDC	MITRE : McLean, VA	7.077	-		-		-		-		-	0.000	7.077	-
Product Development 3	SS/FFP	Dynamic Systems : Los Angeles, CA	3.189	-		-		-		-		-	0.000	3.189	-
Product Development 4	C/CPFF	Pragmatics : McLean, VA	31.239	-		-		-		-		-	0.000	31.239	-
Product Development 6	C/CPIF	BAH : McLean, VA	3.369	-		-		-		-		-	0.000	3.369	-
Product Development 7	C/CPIF	JPES Framework : Various	20.141	-		-		-		-		-	0.000	20.141	-
Product Development 8	C/CPFF	RTB Development : Various	13.116	-		-		-		-		-	0.000	13.116	-
Product Development 9	C/CPFF	IGS Development : Various	12.398	-		-		-		-		-	0.000	12.398	-
Product Development 10	C/CPFF	SAIC : Falls Church, VA	4.826	-		-		-		-		-	0.000	4.826	-
Product Development 11	MIPR	SSC : San Diego, CA	13.317	-		-		-		-		-	0.000	13.317	-
Product Development 12	C/CPFF	NGMS : Reston, VA	67.014	-		-		-		-		-	0.000	67.014	-
Product Development 13	MIPR	NGIT : Various	1.772	-		-		-		-		-	0.000	1.772	-
Product Development 14	C/CPFF	NGMS : Reston, VA	88.291	-		-		-		-		-	0.000	88.291	-
Product Development 15	C/CPIF	Booz Allen Hamilton : McLean, VA	3.283	-		-		-		-		-	0.000	3.283	-
Product Development 16	C/CPFF	Booz Allen Hamilton : Various	3.685	-		-		-		-		-	0.000	3.685	-
Product Development 17	C/CPAF	Booz Allen Hamilton : Falls Church, VA	1.229	-		-		-		-		-	0.000	1.229	-
Product Development 18	C/CPAF	AB Floyd : Alexandria, VA	12.477	-		-		-		-		-	0.000	12.477	-
Product Development 19	C/CPAF	Femme Comp Inc : Chantilly, VA	7.249	-		-		-		-		-	0.000	7.249	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development 20	C/CPFF	SAIC : Falls Church, VA	5.876	-		-		-		-		-	0.000	5.876	-
Product Development 21	C/CPIF	Booz Allen Hamilton : McLean, VA	5.865	-		-		-		-		-	0.000	5.865	-
Product Development 22	MIPR	JDISS : Various	6.039	-		-		-		-		-	0.000	6.039	-
Product Development 23	C/FFP	NGMS : Reston, VA	4.790	-		-		-		-		-	0.000	4.790	-
Product Development 24	MIPR	SPAWAR : Charleston, SC	13.156	-		-		-		-		-	Continuing	Continuing	Continuing
Product Development 25	MIPR	Dept of Energy, Army Research Lab, PD Intelligence Fusion, GSA/FAS : Various	5.710	-		-		-		-		-	0.000	5.710	-
Product Development 26	C/CPAF	Tactical 3-D COP : Various	3.200	-		-		-		-		-	0.000	3.200	-
Product Development 27	SS/FFP	JITC : Various	20.400	-		-		-		-		-	0.000	20.400	-
Product Development 28	C/CPFF	JCRM : McLean, VA	8.600	-		-		-		-		-	Continuing	Continuing	Continuing
Product Development 30	C/CPFF	Systems Engineering and Integration : Various	14.030	-		-		-		-		-	0.000	14.030	-
Product Development 31	C/Various	GCCS-J : Various	5.367	-		-		-		-		-	0.000	5.367	-
Product Development 32	C/CPFF	CRSA/GDIT LLC : Chantilly, VA	14.193	-		-		-		-		-	0.000	14.193	-
Product Development 33	C/FFP	Interimage Inc : Arlington, VA	6.179	72.181	Mar 2021	-		-		-		-	Continuing	Continuing	Continuing
Engineering Services and Integration 29	SS/FFP	GCCS-J : Various	6.782	-		-		-		-		-	6.782	13.564	-
I3 Engineering Services & SW Development	C/TBD	NGIT : Various	1.811	-		-		-		-		-	0.000	1.811	-
Product Development 29	C/FFP	JOPES modernization : TBD	10.248	-		-		-		-		-	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development 34	C/CPFF	JPES Solution : Falls Church, VA	9.942	0.307	Jun 2021	2.783	Jun 2022	6.671	Dec 2022	-		6.671	Continuing	Continuing	Continuing
Product Development 35	C/CPFF	Leidos : Gaithersburg, MD	0.307	-		-		-		-		-	Continuing	Continuing	Continuing
Product Development	C/CPFF	GCCS-JE OTA : McLean, VA	25.292	-		-		-		-		-	0.000	25.292	-
Product Development 37	C/CPFF	Leidos OTA : McLean, VA	10.134	-		-		-		-		-	Continuing	Continuing	Continuing
Product Development 38	C/CPFF	GCCS-J : Various	11.801	-		-		-		-		-	Continuing	Continuing	Continuing
Product Development 39	C/CPFF	Bluestone Logic : McLean, VA	1.499	-		-		-		-		-	Continuing	Continuing	Continuing
Product Development 40	C/CPFF	C2 Systems Engineering : TBD	3.563	-		-		-		-		-	Continuing	Continuing	Continuing
Product Development 41	C/CPFF	Tapestry : Chambersburg, PA	3.048	-		-		-		-		-	Continuing	Continuing	Continuing
Product Development 42	C/CPFF	Leidos : McLean, VA	0.670	-		-		-		-		-	Continuing	Continuing	Continuing
Product Development 36	C/CPFF	TBD : C2 Systems Engineering	0.179	0.442	Aug 2021	0.468	Aug 2022	1.145	Sep 2023	-		1.145	Continuing	Continuing	Continuing
		Subtotal	512.642	72.930		3.251		7.816		-		7.816	Continuing	Continuing	N/A

Remarks

Note: GCCS-J transitioned from this BA/PE to BA-8/PE0303150K with the FY21 PB. Prior to that time PE included both GCCS-J, JOPES, and JPES.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Support 1	C/T&M	Oracle : Various	1.003	-		-		-		-		-	0.000	1.003	-
Support 2	C/CPFF	JC2 Common Interface : Various	4.808	-		-		-		-		-	0.000	4.808	-
Support Costs - Engineering Support 3	FFRDC	MITRE : Various	1.662	-		-		-		-		-	0.000	1.662	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency		Date: April 2022
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Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Support Costs - Engineering Support 4	C/CPFF	Pragmatics : McLean, VA	4.141	-		-		-		-		-	0.000	4.141	-
Support Costs - Engineering Support 5	C/CPFF	IPA : College Park, MD	0.283	-		-		-		-		-	0.000	0.283	-
Support Cost 6	C/FFP	STA : Falls Church, VA	2.772	-		-		-		-		-	0.000	2.772	-
Support Costs	C/CPFF	GCCS-J : Various	4.557	-		-		-		-		-	0.000	4.557	-
Support Cost 7	C/FFP	Pragmatics : McLean, VA	3.564	-		-		-		-		-	0.000	3.564	-
		Subtotal	22.790	-		-		-		-		-	0.000	22.790	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test & Evaluation 1	C/CPFF	SAIC : Falls Church, VA	0.744	-		-		-		-		-	0.000	0.744	-
Test & Evaluation 2	MIPR	JITC : Ft. Huachuca, AZ	34.676	-		-		-		-		-	0.000	34.676	Continuing
Test & Evaluation 3	MIPR	DIA : Various	9.733	-		-		-		-		-	0.000	9.733	-
Test & Evaluation 4	MIPR	DAA : Various	5.554	-		-		-		-		-	0.000	5.554	-
Test & Evaluation 5	C/CPFF	SAIC : Falls Church, VA	9.681	-		-		-		-		-	0.000	9.681	-
Test & Evaluation 6	C/CPAF	SAIC : Falls Church, VA	23.133	-		-		-		-		-	0.000	23.133	-
Test & Evaluation 7	C/CPFF	Pragmatics : McLean, VA	0.308	-		-		-		-		-	0.000	0.308	-
Test & Evaluation 8	MIPR	JITC : Various	0.005	-		-		-		-		-	0.000	0.005	-
Test & Evaluation 9	MIPR	JITC : Various	0.897	-		-		-		-		-	0.000	0.897	-
Test & Evaluation 10	MIPR	DISA FSO : Various	1.059	-		-		-		-		-	0.000	1.059	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303150K / *Global Command and Control System*	Project (Number/Name) CC01 / *Joint Planning and Execution Services (JPES)*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test & Evaluation 11	MIPR	TEMC Test Support : Various	0.229	-		-		-		-		-	0.000	0.229	-
Test & Evaluation 12	MIPR	DISA TEMC : Falls Church, VA	0.971	-		-		-		-		-	0.000	0.971	-
Test & Evaluation 13	MIPR	STRATCOM : Offut, NE	1.155	-		-		-		-		-	0.000	1.155	-
Test & Evaluation 14	MIPR	DISA FSO : Falls Church, VA	1.200	-		-		-		-		-	0.000	1.200	-
Test & Evaluation 15	C/CPFF	TQI : Falls Church, VA	1.698	-		-		-		-		-	0.000	1.698	-
Test & Evaluation 16	C/CPFF	TQI : Falls Church, VA	0.494	-		-		-		-		-	0.000	0.494	-
Test & Evaluation 17	MIPR	Slidell : Various	0.436	-		-		-		-		-	0.000	0.436	-
Test & Evaluation 19	C/CPFF	NextGen Federal Systems LLC : Morgantown,WV	0.999	0.700	Aug 2021	0.899	Aug 2022	2.204	Aug 2023	-		2.204	Continuing	Continuing	-
		Subtotal	92.972	0.700		0.899		2.204		-		2.204	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Management Services	MIPR	SSC Atlantic : Charleston, SC	3.759	-		-		-		-		-	0.000	3.759	-
		Subtotal	3.759	-		-		-		-		-	0.000	3.759	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	632.163	73.630		4.150		10.020		-		10.020	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System*	**Project (Number/Name)** CC01 / *Joint Planning and Execution Services (JPES)*

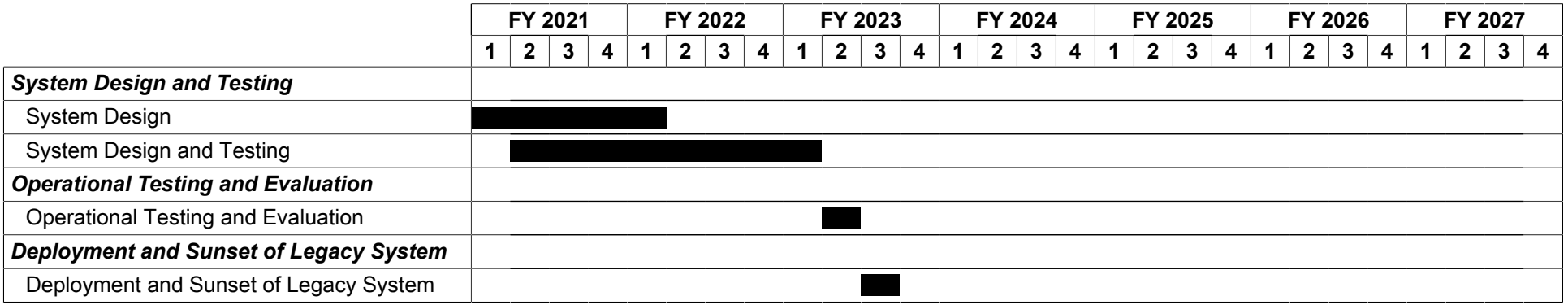

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System*	**Project (Number/Name)** CC01 / *Joint Planning and Execution Services (JPES)*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
System Design and Testing				
System Design	1	2021	1	2022
System Design and Testing	2	2021	1	2023
Operational Testing and Evaluation				
Operational Testing and Evaluation	2	2023	2	2023
Deployment and Sunset of Legacy System				
Deployment and Sunset of Legacy System	3	2023	3	2023

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303153K / *Defense Spectrum Organization*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	217.602	18.123	19.302	19.708	-	19.708	36.730	26.616	21.618	16.702	Continuing	Continuing
JS1: *Joint Spectrum Center*	217.602	18.123	19.302	19.708	-	19.708	36.730	26.616	21.618	16.702	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Spectrum Organization (DSO) provides a full array of electromagnetic spectrum services and capabilities, ranging from short notice on-the-ground operational support at the forward edge, to long range planning in pursuit of national strategic objectives. These services/capabilities are in direct support of Combatant Commanders, the Department of Defense (DoD) Chief Information Officer, Military Services, and Defense Agencies. The DSO is the focal point for electromagnetic spectrum analysis and the development of integrated spectrum plans and strategies to address current and future needs for DoD spectrum access. In addition, DSO serves as DoD's spectrum advocate at national and international forums and conducts extensive outreach to both industry and government. DSO also implements enterprise spectrum management capabilities to enhance spectrum efficiency and agility to improve spectrum-dependent capabilities in support of United States and Coalition operations. This includes acquiring, implementing and sustaining the Global Electromagnetic Spectrum Information System (GEMSIS) which provides an integrated catalog of joint net-centric spectrum management tools and services. Electromagnetic Spectrum Management enables information dominance through effective spectrum operations.

The FY23 funding request was reduced by -$(6.742) million to account for the availability of prior year execution balances.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	18.123	19.302	0.000	-	0.000
Current President's Budget	18.123	19.302	19.708	-	19.708
Total Adjustments	0.000	0.000	19.708	-	19.708
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	0.000	-	19.708	-	19.708

Change Summary Explanation

FY2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding. No significant program changes.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303153K / *Defense Spectrum Organization*	Project (Number/Name) JS1 / *Joint Spectrum Center*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
JS1: *Joint Spectrum Center*	217.602	18.123	19.302	19.708	-	19.708	36.730	26.616	21.618	16.702	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Spectrum Center (JSC), which is a division of Defense Spectrum Organization (DSO), designs, develops, and maintains Department of Defense (DoD) automated spectrum management systems, evaluation tools, and databases. The databases are the prime sources of information for DoD use of the electromagnetic (EM) spectrum. The JSC provides technical measurement and analysis in support of DoD spectrum policy decisions to ensure the development, acquisition, and operational deployment of systems are compatible with other spectrum dependent systems operating within the same EM environment (EME). Additional efforts focus on improving future warfighter EM spectrum utilization through technological innovation, and influencing research and development emerging technology efforts.

Improved spectrum support includes the Global Electromagnetic Spectrum Information System (GEMSIS), a net centric capability that will provide commanders with an increased common picture of spectrum situational awareness of friendly and hostile forces while transparently deconflicting competing mission requirements for spectrum use. This capability will enable the transformation from the current preplanned and static assignment strategy into autonomous and adaptive spectrum operations.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Advanced Spectrum Tools	0.000	0.000	0.000
Description: The Joint Spectrum Data Repository and Tools program supports development of spectrum management tools, spectrum modeling and simulation capabilities, spectrum database development, and spectrum data transformation and standardization. This program provides the Combatant Commands (COCOMs) and Military Services with the spectrum management tools and associated databases to manage spectrum resources at the strategic and operational level. It also provides the DoD acquisition community with analytical tools to conduct Electromagnetic Environmental Effects (E3) analyses and Spectrum Supportability Risk Assessments (SSRA). ***FY 2022 Plans:*** N/A ***FY 2023 Plans:*** N/A ***FY 2022 to FY 2023 Increase/Decrease Statement:*** N/A			
Title: DoD Electromagnetic Environmental Effects (E3) Program	2.566	3.074	3.431

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Description: The DoD E3 Program supports the Joint Capabilities Integration and Development System (JCIDS) process and the DoD acquisition process to ensure that E3 control and spectrum supportability are incorporated into the development, testing, and procurement of information technology and National Security Systems. The E3 Program also supports the development of the Joint Ordnance E3 Risk Assessment Database (JOERAD) and Hazards of Electromagnetic Radiation to Ordnance (HERO) electromagnetic environmental effects surveys in support of the COCOMs and Joint Task Forces. JOERAD develops algorithms and provides analytical capabilities to perform real-time risk assessments to evaluate platform/system safety and identify equipment limitations in the operational EM environment. JOERAD enables operators to make critical decisions about the hazards associated with the use of ordnance within complex EM environments. A SSRA is performed by program managers and materiel developers on all programs that are acquiring or incorporating spectrum-dependent systems or equipment per DoDI 4650.1. These assessments encompassed regulatory, technical, and operational spectrum and E3 issues and associated risks. ***FY 2022 Plans:*** Will continue to conduct JOCG HERO Subgroup meetings, support the JOCG Executive Steering Committee and develop and maintain the Services' HERO susceptibility data records. Will conduct forward deployed base HERO surveys for the COCOMs/ Services, and CONUS based emitter surveys for ordnance safety database validation and update the DoD ordnance RF safety requirements. Will update MIL-HDBK-235, "EME Profiles" and develop EME profiles to address blue force jammer and electronic warfare environments. Will conduct monthly DoD E3 Integrated Product Team (IPT) Meetings. Will provide technical support to DoD CIO, the Joint Staff, and other DoD Components on E3, spectrum, hazards of EM radiation matters. Will review JCIDS and ISP acquisition documents assigned by the Joint Staff and DoD CIO and update guidance instructions as necessary. Will provide E3 and SS training to the DoD Components and develop/maintain training curricula at the Defense Acquisition University. ***FY 2023 Plans:*** Will continue to conduct JOCG HERO Subgroup meetings, support the JOCG Executive Steering Committee and develop and maintain the Services' HERO susceptibility data records. Will conduct forward deployed base HERO surveys for the COCOMs/ Services, and CONUS based emitter surveys for ordnance safety database validation and update the DoD ordnance RF safety requirements. Will update MIL-HDBK-235, "EME Profiles" and develop EME profiles to address blue force jammer and electronic warfare environments. Will conduct monthly DoD E3 Integrated Product Team (IPT) Meetings. Will provide technical support to DoD CIO, the Joint Staff, and other DoD Components on E3, spectrum, hazards of EM radiation matters. Will review JCIDS and ISP acquisition documents assigned by the Joint Staff and DoD CIO and update guidance instructions as necessary. Will provide E3 and SS training to the DoD Components and develop/maintain training curricula at the Defense Acquisition University. ***FY 2022 to FY 2023 Increase/Decrease Statement:***			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303153K / *Defense Spectrum Organization*	**Project (Number/Name)** JS1 / *Joint Spectrum Center*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
The increase of $0.357 from FY 2022 to FY 2023 is due to a projected increase in number of forward deployed base HERO surveys for CCMDs/Services and any CONUS based emitter surveys for ordnance safety database validation and an increase in the number of E3 and SS Training.			
Title: Emerging Spectrum Technologies (EST) ***Description:*** DSO has the responsibility to investigate emerging spectrum related technologies and evaluate their applicability to improve future warfighter EM spectrum utilization through technological innovation. The goal of the EST program is to identify the opportunities and risks associated with emerging spectrum-related technologies in the early stages of the technology development, influence and lead technology development in order to maximize DoD spectrum utilization, and ensure that spectrum policies incorporate optimal technology to meet DoD mission requirements. Within EST there is an increased focus on Dynamic Spectrum Access (DSA). DSA is realized through wireless networking architectures and technologies that enable wireless devices to dynamically adapt their spectrum access according to criteria such as policy constraints, spectrum availability, propagation environment, and application performance requirements. ***FY 2022 Plans:*** N/A ***FY 2023 Plans:*** N/A ***FY 2022 to FY 2023 Increase/Decrease Statement:*** N/A	0.000	0.000	0.000
Title: Global Electromagnetic Spectrum Information System (GEMSIS) ***Description:*** The GEMSIS is a net centric capability that will provide operational commanders with an increased common picture of spectrum situational awareness of friendly and hostile forces while transparently deconflicting competing mission requirements for spectrum use. This capability will enable the transformation from the current preplanned and static assignment strategy into autonomous and adaptive spectrum operations. ***FY 2022 Plans:*** Will continue (SXXI) Legacy, E2ESS, and JSDR maintenance and version releases . ***FY 2023 Plans:*** DSO will continue to development version releases for Joint Spectrum Data Repository (JSDR) tool. ***FY 2022 to FY 2023 Increase/Decrease Statement:***	14.659	0.751	0.598

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303153K / *Defense Spectrum Organization*	**Project (Number/Name)** JS1 / *Joint Spectrum Center*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
The decrease of -$0.153 from FY 2022 to FY 2023 is due to the decrease for JSDR version release updates.			
Title: Electromagnetic Battlefield Management (EMBM) (C2 Capabilities/Data Interface&Visualization, EW Planning/Mgt Tool)	0.000	12.620	13.313
Description: The Electromagnetic Battle Management (EMBM) mission capability responds to a Department of Defense (DoD) Electronic Warfare (EW) Strategy objective to field advanced EMBM capabilities and to a DoD Electromagnetic Spectrum Strategy goal to increase the agility of DoD electromagnetic spectrum (EMS) operations by developing the capabilities to preform near-real-time EMS operations (EMSO). As part of planning, resourcing, implementing and assessing Joint Electromagnetic Spectrum Operations (JEMSO), an EMBM technical solution will provide a secure and globally connected suite of dynamic tools to provide situational awareness, command and control (C2), decision support and training. The system is planned to provide a range of capabilities that will improve upon existing software applications useful for JEMSO and access information from other related operational systems to provide a long-term solution for operational EMS planning, execution and assessment capabilities. ***FY 2022 Plans:*** DSO will continue to develop the Electromagnetic Battlespace Management (EMBM) mission capability IAW DoD's Electromagnetic Spectrum Strategy goal to increase the agility of DoD spectrum operations. Will continue to develop new C2 Capabilites, Data Interface & Visualization requirements, and the EW planning and management tool. ***FY 2023 Plans:*** DSO will continue to develop the Electromagnetic Battlespace Management (EMBM) mission capability IAW DoD's Electromagnetic Spectrum Strategy goal to increase the agility of DoD spectrum operations. Will continue to develop new C2 Capabilites, Data Interface & Visualization requirements, and the EW planning and management tool. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $0.693 from FY 2022 to FY 2023 is due to an increase of efforts in the development of C2 capabilities.			
Title: New Spectrum Paradigms	0.898	2.857	2.366
Description: DSO new spectrum paradigms is to investigate emerging spectrum related technologies and evaluate their applicability to improve future warfighter EM spectrum utilization through technological innovation. The goal of the EST program is to identify the opportunities and risks associated with emerging spectrum-related technologies in the early stages of the technology development, influence and lead technology development in order to maximize DoD spectrum utilization, and ensure that spectrum policies incorporate optimal technology to meet DoD mission requirements. Within EST there is an increased focus on Dynamic Spectrum Access (DSA). DSA is realized through wireless networking architectures and technologies that enable wireless devices to dynamically adapt their spectrum access according to criteria such as policy constraints, spectrum availability, propagation environment, and application performance requirements. DSO has the responsibility to investigate emerging spectrum related technologies and evaluate their applicability to improve future warfighter EM spectrum utilization			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303153K / *Defense Spectrum Organization*	**Project (Number/Name)** JS1 / *Joint Spectrum Center*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
through technological innovation. The goal of the EST program is to identify the opportunities and risks associated with emerging spectrum-related technologies in the early stages of the technology development, influence and lead technology development in order to maximize DoD spectrum utilization, and ensure that spectrum policies incorporate optimal technology to meet DoD mission requirements. Within EST there is an increased focus on Dynamic Spectrum Access (DSA). DSA is realized through wireless networking architectures and technologies that enable wireless devices to dynamically adapt their spectrum access according to criteria such as policy constraints, spectrum availability, propagation environment, and application performance requirements. The Joint Spectrum Data Repository and Tools program supports development of spectrum management tools, spectrum modeling and simulation capabilities, spectrum database development, and spectrum data transformation and standardization. This program provides the Combatant Commands (COCOMs) and Military Services with the spectrum management tools and associated databases to manage spectrum resources at the strategic and operational level. It also provides the DoD acquisition community with analytical tools to conduct Electromagnetic Environmental Effects (E3) analyses and Spectrum Supportability Risk Assessments (SSRA). ***FY 2022 Plans:*** Will continue to make enhancements to Spectrum Technology and Testbed Initiative in support of Spectrum Engineering Analysis and Relocation efforts. Supports evaluation of future and existing spectrum anyalysis tools. Will continue collaboration efforts with the Science and Technology community (including ASDR&E, Service Labs and DARPA) to develop and execute the technology roadmaps and integration strategies that result in system flexibility and operational agility. Revisions will be made to the current spectrum management architecture to reflect transforming spectrum operations through application of EST in accordance with the new DoD EMS Spectrum Strategy. Prototype capabilities that provide increased operational agility will be developed and demonstrated. Continue to develop initiatives that include the roadmap, standards, architecture, and business processes to exploit and/or minimize the impact of emerging technologies on DoD spectrum operations. ***FY 2023 Plans:*** Will continue to make enhancements to Spectrum Technology and Testbed Initiative in support of Spectrum Engineering Analysis and Relocation efforts. Supports evaluation of future and existing spectrum anyalysis tools. Will continue collaboration efforts with the Science and Technology community (including ASDR&E, Service Labs and DARPA) to develop and execute the technology roadmaps and integration strategies that result in system flexibility and operational agility. Revisions will be made to the current spectrum management architecture to reflect transforming spectrum operations through application of EST in accordance with the new DoD EMS Spectrum Strategy. Prototype capabilities that provide increased operational agility will be developed and demonstrated. Continue to develop initiatives that include the roadmap, standards, architecture, and business processes to exploit and/or minimize the impact of emerging technologies on DoD spectrum operations. ***FY 2022 to FY 2023 Increase/Decrease Statement:***			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303153K / *Defense Spectrum Organization*	**Project (Number/Name)** JS1 / *Joint Spectrum Center*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
The decrease of -$0.491 from FY 2022 to FY 2023 is due to reduction in number of prototype initiatives for Spectrum Operations.			
Accomplishments/Planned Programs Subtotals	18.123	19.302	19.708

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• O&M, DW/PE 0303153K: *O&M, DW*	34.902	35.743	31.023	-	31.023	-	-	-	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

Engineering support services are provided by the use of a contract. Competition is being used under existing Indefinite Delivery Indefinite Quantity (IDIQ) contracts. Task orders will be a mix of Firm Fixed Price (FFP) and Cost Plus Fixed Fee (CPFF) as dictated by specific tasks to be accomplished.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303153K / *Defense Spectrum Organization*	Project (Number/Name) JS1 / *Joint Spectrum Center*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Technical Engineering Services 1	C/FFP	Multi : Various	188.118	8.181	Nov 2020	9.786	Apr 2022	10.070	Jan 2023	-		10.070	Continuing	Continuing	Continuing
Technical Engineering Services 2	MIPR	Various : Various	17.783	9.578	Oct 2020	9.152	Nov 2021	9.143	Nov 2022	-		9.143	Continuing	Continuing	Continuing
		Subtotal	205.901	17.759		18.938		19.213		-		19.213	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test & Evaluation	MIPR	JITC : Ft. Huachuca	2.312	-		-		-		-		-	0.000	2.312	-
		Subtotal	2.312	-		-		-		-		-	0.000	2.312	N/A

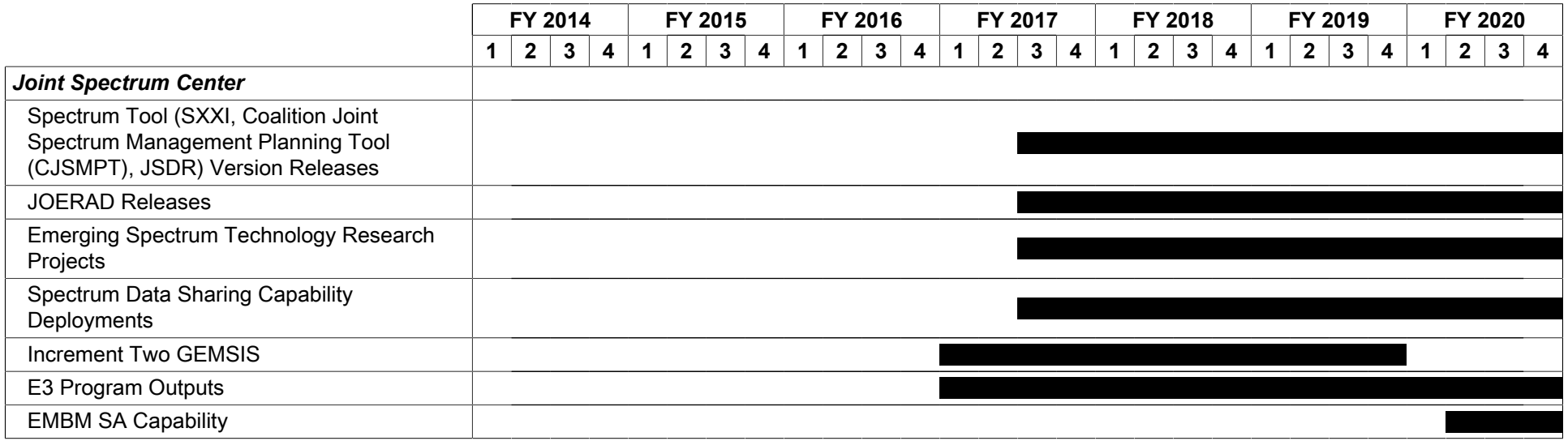
Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Management Services	FFRDC	MITRE : Ft. Monmouth, NJ	9.389	0.364	Nov 2020	0.364	Nov 2021	0.495	Nov 2021	-		0.495	Continuing	Continuing	Continuing
		Subtotal	9.389	0.364		0.364		0.495		-		0.495	Continuing	Continuing	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	217.602	18.123		19.302		19.708		-		19.708	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303153K / *Defense Spectrum Organization*	**Project (Number/Name)** JS1 / *Joint Spectrum Center*



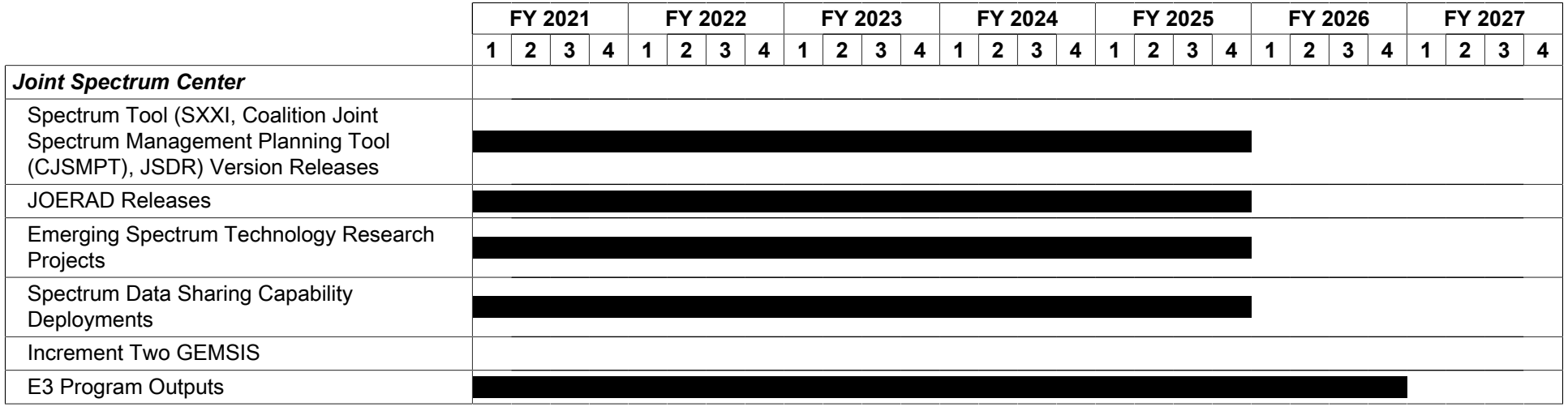


Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303153K / *Defense Spectrum Organization*	**Project (Number/Name)** JS1 / *Joint Spectrum Center*

	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
	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
EMBM SA Capability																												

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303153K / *Defense Spectrum Organization*	**Project (Number/Name)** JS1 / *Joint Spectrum Center*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Joint Spectrum Center				
Spectrum Tool (SXXI, Coalition Joint Spectrum Management Planning Tool (CJSMPT), JSDR) Version Releases	3	2017	4	2025
JOERAD Releases	3	2017	4	2025
Emerging Spectrum Technology Research Projects	3	2017	4	2025
Spectrum Data Sharing Capability Deployments	3	2017	4	2025
Increment Two GEMSIS	1	2017	4	2019
E3 Program Outputs	1	2017	4	2026
EMBM SA Capability	2	2020	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303167K *I Pre-Auctioned Spectrum Relocation Fund*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	1.258	0.247	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
JS1: *Pre-Auctioned Spectrum Relocation Fund*	1.258	0.247	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-

A. Mission Description and Budget Item Justification

Funding supports Pre-Auctioned Spectrum relocation and sharing activities.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	0.247	0.000	0.000	-	0.000
Current President's Budget	0.247	0.000	0.000	-	0.000
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

Change Summary Explanation

No statement required.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303167K / *Pre-Auctioned Spectrum Relocation Fund*	Project (Number/Name) JS1 / *Pre-Auctioned Spectrum Relocation Fund*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
JS1: *Pre-Auctioned Spectrum Relocation Fund*	1.258	0.247	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

Funding supports Pre-Auctioned Spectrum relocation and sharing activities.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Pre-Auctioned Spectrum Relocation Fund	0.247	-	-
Description: Funding supports Pre-Auctioned Spectrum relocation and sharing activities			
Accomplishments/Planned Programs Subtotals	0.247	-	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303167K / *Pre-Auctioned Spectrum Relocation Fund*	**Project (Number/Name)** JS1 / *Pre-Auctioned Spectrum Relocation Fund*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Support pre-auction spectrum relocation and sharing activities	Various	Various : Various	1.258	0.247		-		-		-		-	-	-	-
		Subtotal	1.258	0.247		-		-		-		-	-	-	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	1.258	0.247		-		-		-		-	-	-	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303167K / *Pre-Auctioned Spectrum Relocation Fund*	**Project (Number/Name)** JS1 / *Pre-Auctioned Spectrum Relocation Fund*

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Auctioned Spectrum Relocation Fund																												
Support pre-auction spectrum relocation activities																					[redacted]							

	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
	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
Auctioned Spectrum Relocation Fund																												
Support pre-auction spectrum relocation activities																												

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303167K / *Pre-Auctioned Spectrum Relocation Fund*	**Project (Number/Name)** JS1 / *Pre-Auctioned Spectrum Relocation Fund*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Auctioned Spectrum Relocation Fund				
Support pre-auction spectrum relocation activities	1	2019	4	2019

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303228K / *Joint Information Environment*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	31.865	12.433	9.342	0.000	-	0.000	1.476	0.984	0.000	0.000	Continuing	Continuing
JE1: *Joint Regional Security Stacks*	31.865	12.433	9.342	0.000	-	0.000	1.476	0.984	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Joint Information Environment (JIE) construct is a consolidated secure and defensible environment across Department of Defense (DoD). This is comprised of unified, consolidated and shared information technology (IT) infrastructure, enterprise services, and standardized security architectures throughout the Department of Defense Information Network (DODIN) to achieve full spectrum superiority, improve mission effectiveness, increase security and realize IT efficiencies.

The target objective state of JIE is a DODIN that optimizes the use of DoD's IT assets from the administrative and operational planning at the Pentagon to the tactical edge; to include our mission partners through converging communications, computing, enterprise services, and defense of the DODIN that can be leveraged for all Department missions.

When implemented, JIE will reduce DoD's Total Cost of Ownership (TCO), improved security by reducing the attack surface of our networks, and enable Combatant Commands/Services/Agencies (CC/S/A) to more efficiently access information to perform their missions from any authorized IT device, any time, from anywhere in the world.

The FY23 funding request was reduced by -$(2.460) million to account for the availability of prior year execution balances.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	12.433	9.342	0.000	0.000	0.000
Current President's Budget	12.433	9.342	0.000	0.000	0.000
Total Adjustments	0.000	0.000	0.000	0.000	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Budget Year Adjustment	0.000	-	0.000	-	0.000

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303228K *I Joint Information Environment*

Change Summary Explanation

The reduction in FY 2023 is due to rephasing for under-execution.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303228K / *Joint Information Environment*	Project (Number/Name) JE1 / *Joint Regional Security Stacks*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
JE1: *Joint Regional Security Stacks*	31.865	12.433	9.342	0.000	-	0.000	1.476	0.984	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Regional Security Stack (JRSS) is a joint Department of Defense (DoD) security architecture deployed regionally throughout the world. Each of the 23 Non-Secure Internet Protocol Router (NIPR) and 25 Secure Internet Protocol Router (SIPR) stacks is comprised of complementary defensive security solutions that remove redundant Information Assurance (IA) protections; leverages enterprise defensive capabilities with standardized security suites; protects the enclaves after the separation of server and user assets; and provides the tool sets necessary to monitor and control all security mechanisms throughout DoD's Joint Information Environment. The JRSS Management System (JMS) is the management and operational control suite/capability for the JRSS. While the JMS is treated as a related effort, it requires its own experience and evaluation strategy as the JMS is a selection of best of breed capabilities. The JMS is a system-of-systems designed to centralize and enhance the management of the JRSS components and achieve economies of scale by using DoD common suites/infrastructure. The savings are realized by coupling the JRSS and JMS. The JRSS collapses replicated IT security functionality for all DoD components into relatively few regionally located stacks. The JMS provides Centralized Network Management of the JRSS with a standard interoperable set of capabilities across DoD. JMS provides visibility and control over network transport and associated security systems. It enables monitoring and analysis of relevant fault and performance data to determine the impact on current operations and trend analysis. This centralized capability allows standardization of policies, procedures and configurations of critical network transport assets. The JMS enables DoD Components to maintain Title 10 required management and visibility of their IT security while providing high level visibility to Cyber Command (CYBERCOM). Cyber Operations can take proactive actions to ensure the uninterrupted availability and protection of system and network information.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Joint Regional Security Stacks	12.433	9.342	-
Description: The Joint Regional Security Stack (JRSS) is a joint DoD security architecture deployed regionally throughout the world. Each of the 23 NIPR and 25 SIPR stacks is comprised of complementary defensive security solutions that remove redundant Information Assurance (IA) protections; leverages enterprise defensive capabilities with standardized security suites; protects the enclaves after the separation of server and user assets; and provides the tool sets necessary to monitor and control all security mechanisms throughout DoD's Joint Information Environment.			
FY 2022 Plans: Will provide integration, testing, and development of JRSS/JMS hardware/software to support tech refresh of end-of-support/end-of-life appliances. Support pathfinder efforts associated with JRSS optimization and evolution.			
FY 2022 to FY 2023 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303228K / *Joint Information Environment*	**Project (Number/Name)** JE1 / *Joint Regional Security Stacks*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
The decrease from FY 2022 to FY 2023 is due to rephasing for under execution.			
Accomplishments/Planned Programs Subtotals	12.433	9.342	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

N/A

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303228K / *Joint Information Environment*	Project (Number/Name) JE1 / *Joint Regional Security Stacks*	

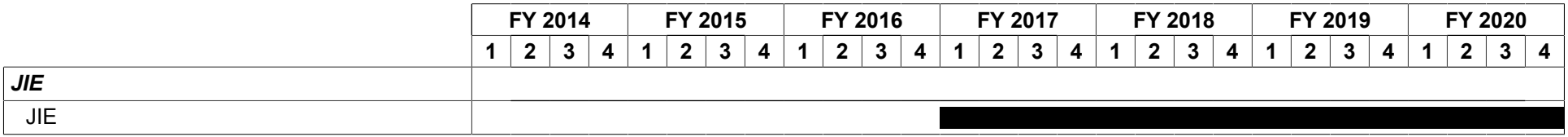
Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Certification Testing	Various	Various : Various	1.532	-		-		-		-		-	0.000	1.532	-
Test and Evaluation Support	Various	JITC : Various	2.568	1.176	Oct 2021	0.550	Oct 2022	-		-		-	Continuing	Continuing	-
Integration Test and Modification	Various	Multiple : Various	2.784	1.358	Dec 2020	0.750	Dec 2021	-		-		-	Continuing	Continuing	-
Tech Refresh/Functionality Testing	Various	Multiple : Various	6.089	1.376	Dec 2020	1.245	Dec 2021	-		-		-	Continuing	Continuing	-
Analytic Development & Testing (CSAAC)	Various	Multiple : Various	4.820	-		-		-		-		-	0.000	4.820	-
JRSS Integration Test and Acceptance Support	Various	Multiple : Various	2.595	8.523	Dec 2020	6.797	Jan 2022	-		-		-	Continuing	Continuing	-
JRSS Integration Test and Acceptance Support_2	Various	Multiple : Various	6.309	-		-		-		-		-	Continuing	Continuing	-
JRSS Integration Test and Acceptance Support_3	Various	Multiple : Various	5.168	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	31.865	12.433		9.342		-		-		-	Continuing	Continuing	N/A

	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	31.865	12.433		9.342		-		-		-	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303228K / *Joint Information Environment*	**Project (Number/Name)** JE1 / *Joint Regional Security Stacks*



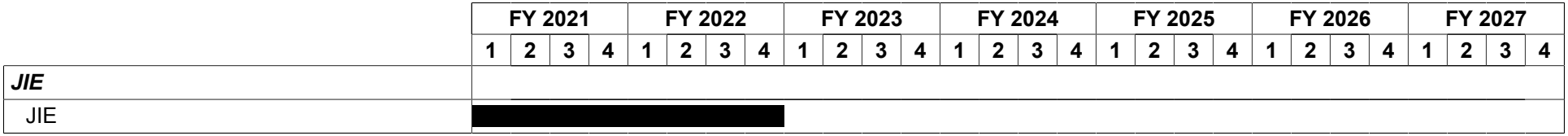


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303228K / *Joint Information Environment*	**Project (Number/Name)** JE1 / *Joint Regional Security Stacks*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
JIE				
JIE	1	2017	4	2022

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303267K *I Auctioned Spectrum Relocation Fund*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	40.404	6.858	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
JS1: *Auctioned Spectrum Relocation Fund*	40.404	6.858	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-

A. Mission Description and Budget Item Justification

Funding supports Spectrum relocation and sharing activities.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	6.858	0.000	0.000	-	0.000
Current President's Budget	6.858	0.000	0.000	-	0.000
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

Change Summary Explanation

No statement required.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303267K / *Auctioned Spectrum Relocation Fund*	Project (Number/Name) JS1 / *Auctioned Spectrum Relocation Fund*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
JS1: *Auctioned Spectrum Relocation Fund*	40.404	6.858	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

Funding supports Spectrum relocation and sharing activities.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Auctioned Spectrum Relocation Fund ***Description:*** Funding supports Spectrum relocation and sharing activities	6.858	-	-
Accomplishments/Planned Programs Subtotals	6.858	-	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303267K / *Auctioned Spectrum Relocation Fund*	Project (Number/Name) JS1 / *Auctioned Spectrum Relocation Fund*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Support spectrum relocation and sharing activities	Various	Various : Various	40.404	6.858		-		-		-		-	-	-	-
		Subtotal	40.404	6.858		-		-		-		-	-	-	N/A

	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	40.404	6.858		-		-		-		-	-	-	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303267K / *Auctioned Spectrum Relocation Fund*	**Project (Number/Name)** JS1 / *Auctioned Spectrum Relocation Fund*

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Auctioned Spectrum Relocation Fund																												
Support spectrum relocation activities																												

	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
	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
Auctioned Spectrum Relocation Fund																												
Support spectrum relocation activities																												

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0303267K / *Auctioned Spectrum Relocation Fund*	**Project (Number/Name)** JS1 / *Auctioned Spectrum Relocation Fund*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Auctioned Spectrum Relocation Fund				
Support spectrum relocation activities	1	2019	4	2020

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0305251K / *Cyberspace Operations Forces and Force Support*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	2.497	-	2.497	0.000	0.000	0.000	0.000	Continuing	Continuing
JH1: *JFHQ-DODIN Operations*	-	0.000	0.000	2.497	-	2.497	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

Data Science/Data Engineering Analytics Capability Support ($2.4M) JFHQ-DODIN utilizes this capability to architect and orchestrate tools leveraging the latest advancements in data and information science. As the cyber landscape and malicious cyber actors (MCAs) continue to evolve and advance, the command is enabled and the capacity to move at tempo and scale to address the range of vulnerabilities across the DODIN terrain. This allows the cyber environment to exploit known vulnerabilities and track on-going discovery of zero-days, while shifting attack of MCAs rendering information sharing agreements as moot. The command requires a strategic architectural plan to integrate capabilities, maneuver to acquire relevant data and information necessary to automate reporting, derive situational understanding and direct defensive cyber operations (DCO). JFHQ-DODIN will acquire domain expertise to develop a software vulnerabilities classification strategy, severity metrics and corresponding prototype vulnerability detection tool for improved vulnerability discovery and mitigation.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	2.497	-	2.497
Total Adjustments	0.000	0.000	2.497	-	2.497
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	-	-	2.497	-	2.497

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY2022 President's Budget request did not include out-year funding.

The increase of $2.497 is for a new requirement to begin in FY 2023 to assist JFHQ DODIN in executing its mission to command and control, plan, direct, coordinate, integrate and synchronize the DoD's Information Network (DoDIN) operations and Defensive Cyber Operations-Internal Defensive Measures (DCO-IDM) globally.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0305251K / *Cyberspace Operations Forces and Force Support*	Project (Number/Name) JH1 / *JFHQ-DODIN Operations*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
JH1: *JFHQ-DODIN Operations*	-	0.000	0.000	2.497	-	2.497	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Data Science/Data Engineering Analytics Capability Support ($2.4M) JFHQ-DODIN utilizes this capability to architect and orchestrate tools leveraging the latest advancements in data and information science. As the cyber landscape and malicious cyber actors (MCAs) continue to evolve and advance, the command is enabled and the capacity to move at tempo and scale to address the range of vulnerabilities across the DODIN terrain. This allows the cyber environment to exploit known vulnerabilities and track on-going discovery of zero-days, while shifting attack of MCAs rendering information sharing agreements as moot. The command requires a strategic architectural plan to integrate capabilities, maneuver to acquire relevant data and information necessary to automate reporting, derive situational understanding and direct defensive cyber operations (DCO).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: DODIN Intelligence Driven Operations	-	-	2.497
Description: Data Science/Data Engineering Analytics Capability Support ($2.4M) JFHQ-DODIN utilizes this capability to architect and orchestrate tools leveraging the latest advancements in data and information science. As the cyber landscape and malicious cyber actors (MCAs) continue to evolve and advance, the command is enabled and the capacity to move at tempo and scale to address the range of vulnerabilities across the DODIN terrain. This allows the cyber environment to exploit known vulnerabilities and track on-going discovery of zero-days, while shifting attack of MCAs rendering information sharing agreements as moot. The command requires a strategic architectural plan to integrate capabilities, maneuver to acquire relevant data and information necessary to automate reporting, derive situational understanding and direct defensive cyber operations (DCO). ***FY 2023 Plans:*** JFHQ-DODIN will acquire domain expertise to develop a software vulnerabilities classification strategy, severity metrics and corresponding prototype vulnerability detection tool for improved vulnerability discovery and mitigation. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $2.497 from FY 2022 and FY 2023 is for the initial acquisition of Software Engineering Institute Computer Emergency Response Team (CERT) support to rapidly mature JFHQ-DODIN's defensive architecture strategies, processes, and capabilities. Subject Matter Experts will provide strategic planning, expert guidance, and novel tool concepts to enhance the command's ability to mature and not be out matched by contemporary adversaries.			
Accomplishments/Planned Programs Subtotals	-	-	2.497

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0305251K / *Cyberspace Operations Forces and Force Support*	**Project (Number/Name)** JH1 / *JFHQ-DODIN Operations*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0305251K / *Cyberspace Operations Forces and Force Support*	Project (Number/Name) JH1 / *JFHQ-DODIN Operations*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DODIN Intelligence Driven Operations	C/IDIQ	Sotware Engineering Institute (SEI) : JFHQ-DODIN locations	-	-		-		2.497	Jan 2022	-		2.497	Continuing	Continuing	-
		Subtotal	-	-		-		2.497		-		2.497	Continuing	Continuing	N/A

	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		-		2.497		-		2.497	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0305251K / *Cyberspace Operations Forces and Force Support*	**Project (Number/Name)** JH1 / *JFHQ-DODIN Operations*

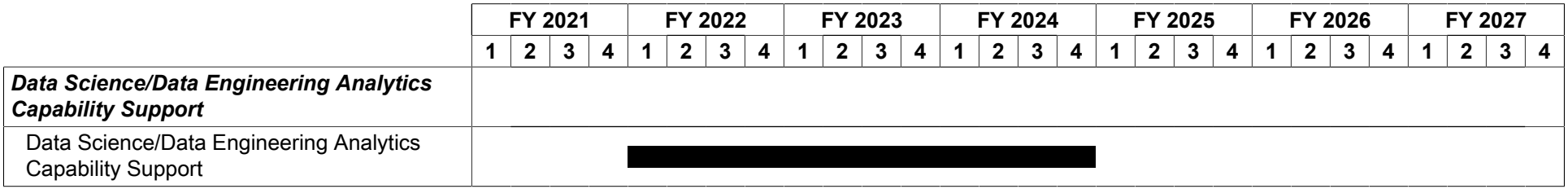

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0305251K / *Cyberspace Operations Forces and Force Support*	**Project (Number/Name)** JH1 / *JFHQ-DODIN Operations*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Data Science/Data Engineering Analytics Capability Support				
Data Science/Data Engineering Analytics Capability Support	1	2022	4	2024

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0708012K / *Logistics Support Activities*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	2.678	1.654	1.690	1.620	-	1.620	1.533	1.597	1.643	1.676	Continuing	Continuing
LSA: *Logistics Support Activities*	2.678	1.654	1.690	1.620	-	1.620	1.533	1.597	1.643	1.676	Continuing	Continuing

Note

N/A

A. Mission Description and Budget Item Justification

Classified

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	1.654	1.690	0.000	-	0.000
Current President's Budget	1.654	1.690	1.620	-	1.620
Total Adjustments	0.000	0.000	1.620	-	1.620
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	-	-	1.620	-	1.620

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President’s Budget request did not include out-year funding.

Program is classified and exhibit will be provided under a separate cover.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0708012K / *Logistics Support Activities*	Project (Number/Name) LSA / *Logistics Support Activities*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
LSA: *Logistics Support Activities*	2.678	1.654	1.690	1.620	-	1.620	1.533	1.597	1.643	1.676	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Classified.

A. Mission Description and Budget Item Justification

Classified.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: LSA	1.654	1.690	1.620
Description: Classified. ***FY 2022 Plans:*** Classified. ***FY 2023 Plans:*** Classified. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Classified.			
Accomplishments/Planned Programs Subtotals	1.654	1.690	1.620

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

Classified.

D. Acquisition Strategy

Classified.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0708012K / *Logistics Support Activities*	Project (Number/Name) LSA / *Logistics Support Activities*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Classified	Various	Classified : Classified	2.678	1.654	Oct 2020	1.690	Oct 2021	1.620	Oct 2022	-		1.620	Continuing	Continuing	-
		Subtotal	2.678	1.654		1.690		1.620		-		1.620	Continuing	Continuing	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	2.678	1.654		1.690		1.620		-		1.620	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0708012K / *Logistics Support Activities*	**Project (Number/Name)** LSA / *Logistics Support Activities*

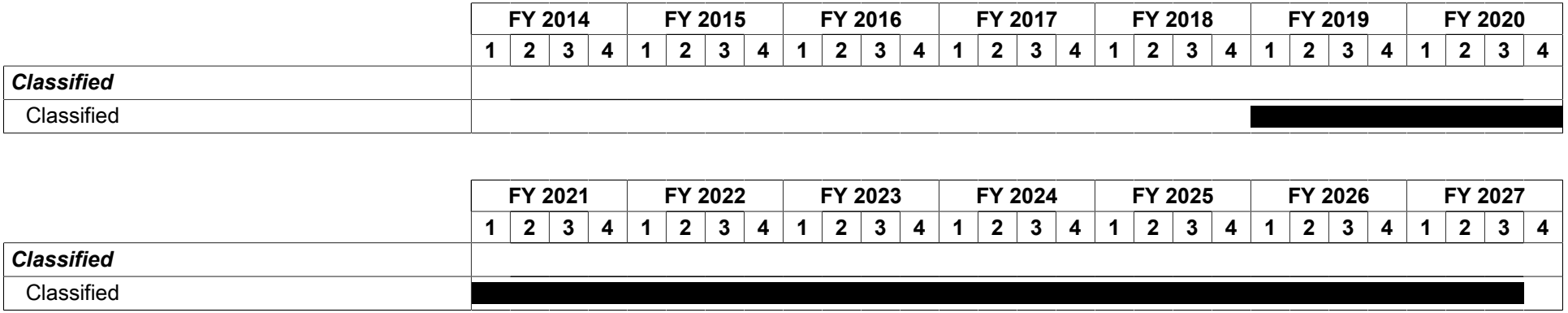

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0708012K / *Logistics Support Activities*	**Project (Number/Name)** LSA / *Logistics Support Activities*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Classified				
Classified	1	2019	3	2027

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1203610K / *Teleport Program*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	52.832	2.699	0.000	1.270	-	1.270	0.000	0.000	0.000	0.000	Continuing	Continuing
NS01: *Teleport Generation 1/2*	48.332	1.210	0.000	1.270	-	1.270	0.000	0.000	0.000	0.000	Continuing	Continuing
NS03: *SATCOM Gateway*	4.500	1.489	0.000	-	-	-	-	-	-	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

Department of Defense (DoD) Teleport system is a satellite communications (SATCOM) gateway that links the deployed warfighter to the Global Information Grid. The DoD Teleport program has fielded system capabilities incrementally using a multi-generational approach with Generation 1 and 2 Full Deployment authorized by DoD Chief Information Officer on February 18, 2011. DoD Teleport Generation 3 consists of three phases; Phases 1 and 2 are in Production and Deployment while Phase 3 is in Engineering and Manufacturing Development. Each DoD Teleport investment increases the warfighter's ability to communicate with a world-wide, net-centric set of information capabilities, which is vital for the DoD to maintain a persistent presence among its adversaries.

Currently, the Teleport system operates as an upgrade of SATCOM capabilities at selected DoD SATCOM gateways. This system provides deployed warfighters with seamless worldwide multi-band SATCOM connectivity to the Defense Information System Network (DISN) Service Delivery Nodes and legacy tactical command, control, communications, computers, and intelligence systems. It also provides centralized integration capabilities, contingency capacity, and common interfaces to access the DISN.

DoD Teleport's goal is to provide secure, seamless, interoperable, and economical upgrades to DoD SATCOM Gateways and meet the growing throughput requirements of the deployed warfighter.

The primary beneficiaries of the DoD Teleport investment are the DoD Combatant Commanders, Military Departments, Defense Agencies, and the warfighter. DoD Teleport Generation 3 is designed to meet the growing demands of the warfighter through the execution of the following phases:

Phase 1: Gateway Advanced Extremely High Frequency [Extended Data Rate] terminals provides tactical users with a 350% bandwidth increase in survivable, antijam communications through all peacetime and combat operations by installing Navy Multiband Terminals (NMT) at select Teleport sites. In addition to enhanced throughput, the NMT maintains compatibility with legacy waveforms and current tactical terminals.

Phase 2: Gateway Wideband Global SATCOM X/Ka-band terminals provide enhanced Wideband Global System (WGS) X/Ka capability to warfighters worldwide by installing terminals from the Modernization of Enterprise Terminal (MET) program at DoD Teleport and other gateway sites. This gateway enhancement allows Teleport to replace end-of-life Defense Satellite Communications System (DSCS) terminals while remaining interoperable with tactical WGS X/Ka-band users. The MET enhancement provides a 300% Ka-band capacity increase and an 1100% X-band capacity increase to current enterprise terminal X/Ka capabilities. Additionally, it enables the DoD Teleport system to maintain operational availability consistent with Generation 2 requirements and reduce the overall life-cycle cost of X/Ka capabilities across the DoD.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1203610K / *Teleport Program*

Phase 3: Mobile User Objective System (MUOS) to Legacy Ultra High Frequency (UHF) systems interoperability will provide interoperability between MUOS users and legacy UHF users by installing MUOS-to-Legacy UHF SATCOM Gateway Component (MLGC) suites of equipment at DoD Teleport sites. MUOS is the next generation DoD UHF SATCOM system that will provide the warfighter with modern worldwide mobile communication services, utilizing the Wideband Code Division Multiple Access waveform for use in the military UHF SATCOM band. MLGC suites will provide critical continuity and interoperability as DoD tactical satellite users transition from legacy waveforms and radios to the Joint Tactical Radio System.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	2.699	0.000	0.000	-	0.000
Current President's Budget	2.699	0.000	1.270	-	1.270
Total Adjustments	0.000	0.000	1.270	-	1.270
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	0.000	-	1.270	-	1.270

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President’s Budget request did not include out-year funding.

The increase of $1.270 in FY 2023 is due to requirements for Joint Interoperability Test Command (JITC) test support for MLGC/MVG (MUOS to Legacy Gateway Component/MUOS Voice Gateway) testing (technical support services).

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1203610K / *Teleport Program*	Project (Number/Name) NS01 / *Teleport Generation 1/2*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
NS01: *Teleport Generation 1/2*	48.332	1.210	0.000	1.270	-	1.270	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Teleport program will implement an integrated test approach that will combine the objectives from multiple testing disciplines (e.g., developmental test, operational test, interoperability, and information assurance) throughout the testing lifecycle to support needed system evaluations. The Teleport program executes its own test events to achieve this integrated approach, but will partner with each phase's respective program office generated test activities to leverage the data needed to satisfy Teleport program test objectives. An approach summary for Teleport Gen 1/2 follows:

Generation 1/2 Technology Refresh/Technology Insertion: Funding will be used to maintain the Joint Interoperability Certification of the DoD Teleport System as the system is upgraded and refreshed with new components.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Teleport Program	1.210	0.000	1.270
Description: Department of Defense (DoD) Teleport system is a satellite communications (SATCOM) gateway that links the deployed warfighter to the Department of Defense Information Network (DODIN). The Teleport program supports the warfighter with a world-wide, net-centric set of communication and information capabilities. ***FY 2022 Plans:*** No funds requested for FY 2022 ***FY 2023 Plans:*** Teleport plans to complete testing for MLGC/MVG (MUOS to Legacy Gateway Component/MUOS Voice Gateway) and continue research, development, and testing for tech refresh and tech insertion at the Joint Satellite Engineering Center (JSEC) laboratory. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $1.270 from FY 2022 to FY 2023 is due to requirements for JITC test support for MLGC/MVG (MUOS to Legacy Gateway Component/MUOS Voice Gateway) testing and U.S. Army C5ISR support at the JSEC Teleport lab, including security Information Assurance Vulnerability Alerts (IAVA) support for the Teleport system.			
Accomplishments/Planned Programs Subtotals	1.210	0.000	1.270

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1203610K / *Teleport Program*	**Project (Number/Name)** NS01 / *Teleport Generation 1/2*	

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• O&M, DW/ PE1203610K: *O&M, DW*	11.375	11.505	5.169	-	5.169	-	-	-	-	Continuing	Continuing
• Procurement, DW/ PE1203610K: *Procurement, DW*	26.655	31.814	29.679	-	29.679	-	-	-	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Teleport Program Office (TPO) uses the DoD preferred evolutionary acquisition approach to acquire Commercial off the Shelf (COTS) and modified COTS equipment when possible. The three TPO procuring agencies, Program Manager Defense Communications and Army Transmission Systems, the Space and Naval Warfare Systems Command, and Defense Information Technology Contracting Organization (DITCO) provide direct contracting support. Assistance from other Departments including Army, Navy, and Air Force is acquired via Military Interdepartmental Purchase Request for both organic and contracted support. The TPO maximizes the use of performance-based contracts and requires contractors to establish and manage specific earned value data to mitigate risk and monitor deviations from cost, schedule, and performance objectives. Performance is evaluated through post-award contract reviews, performance assessment during quarterly program reviews. The MLGC program will use various contract types to employ the vendor best suited to deliver the program's capabilities to the warfighter.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1203610K / *Teleport Program*	Project (Number/Name) NS01 / *Teleport Generation 1/2*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Technical Support (Tech Refresh)	MIPR	CERDEC : APG	1.042	-		-		0.375	Nov 2022	-		0.375	Continuing	Continuing	Continuing
SATCOM, NATO, DISN, and Tactical Radio Tech Support Svcs	MIPR	ANSER : VARIOUS	0.125	-		-		-		-		-	0.000	0.125	0.125
		Subtotal	1.167	-		-		0.375		-		0.375	Continuing	Continuing	N/A

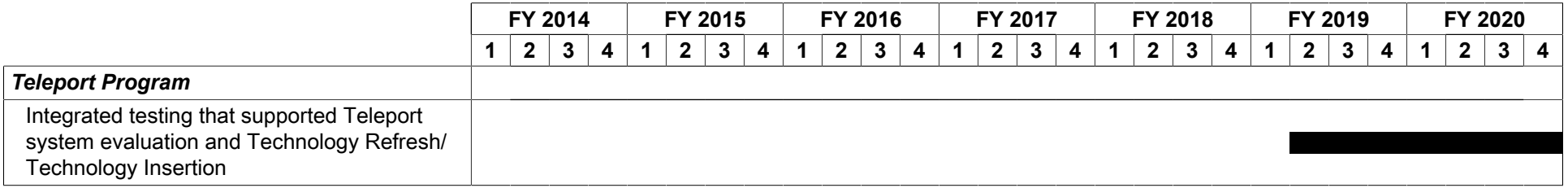
Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Testing Support Services (Tech Refesh)	MIPR	JITC : Ft. Huachuca	47.165	1.210	Nov 2020	-		0.895	Nov 2022	-		0.895	Continuing	Continuing	-
		Subtotal	47.165	1.210		-		0.895		-		0.895	Continuing	Continuing	N/A

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	48.332	1.210		-		1.270		-		1.270	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1203610K / *Teleport Program*	**Project (Number/Name)** NS01 / *Teleport Generation 1/2*



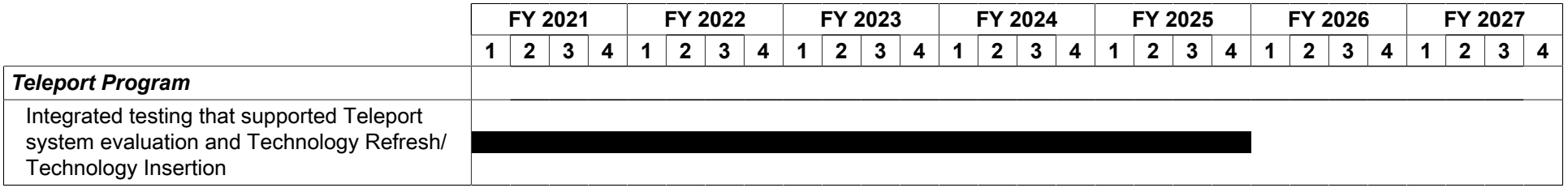


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1203610K / *Teleport Program*	**Project (Number/Name)** NS01 / *Teleport Generation 1/2*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Teleport Program				
Integrated testing that supported Teleport system evaluation and Technology Refresh/ Technology Insertion	2	2019	4	2025

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1203610K / *Teleport Program*	Project (Number/Name) NS03 / *SATCOM Gateway*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
NS03: *SATCOM Gateway*	4.500	1.489	0.000	-	-	-	-	-	-	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The SATCOM Gateway is an enterprise system that will adhere to the Joint Information Environment (JIE) architecture, and support all DoD satellite communications requirements, to include Strategic (Presidential, SECDEF, SECSTATE, Chairman Joint Chiefs of Staff, Milestone Decision Authority (MDA)) and Tactical (Combatant Commanders/Services/Agencies (CC/S/A)) users over satellite trunks through the DoD Information Network (DODIN).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: SATCOM Gateway	1.489	-	-
Description: The SATCOM Gateway is an enterprise system that adheres to the Joint Information Environment (JIE) architecture in support of SATCOM operations. The SATCOM Gateway system supports the warfighter to include strategic and tactical users by providing DoD satellite communication requirements over satellite trunks through the DoD Information Network (DODIN).			
Accomplishments/Planned Programs Subtotals	1.489	-	-

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• O&M, DW/ PE1203610K: *O&M, DW*	7.999	7.956	-	-	-	-	-	-	-	Continuing	Continuing
• Procurement, DW/ PE1203610K: *Procurement, DW*	2.037	5.447	-	-	-	-	-	-	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 1203610K / *Teleport Program*	Project (Number/Name) NS03 / *SATCOM Gateway*	

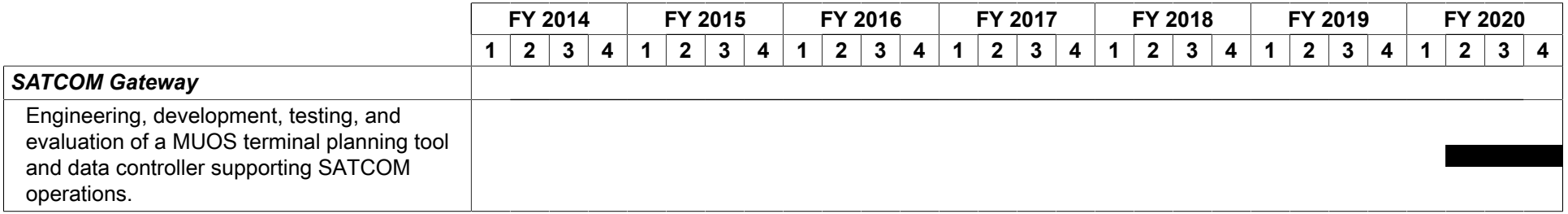
Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Technical Support (MUOS tool)	Various	TBD : TBD	4.500	1.489	Oct 2020	-		-		-		-	Continuing	Continuing	-
		Subtotal	4.500	1.489		-		-		-		-	Continuing	Continuing	N/A

	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	4.500	1.489		-		-		-		-	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1203610K / *Teleport Program*	**Project (Number/Name)** NS03 / *SATCOM Gateway*



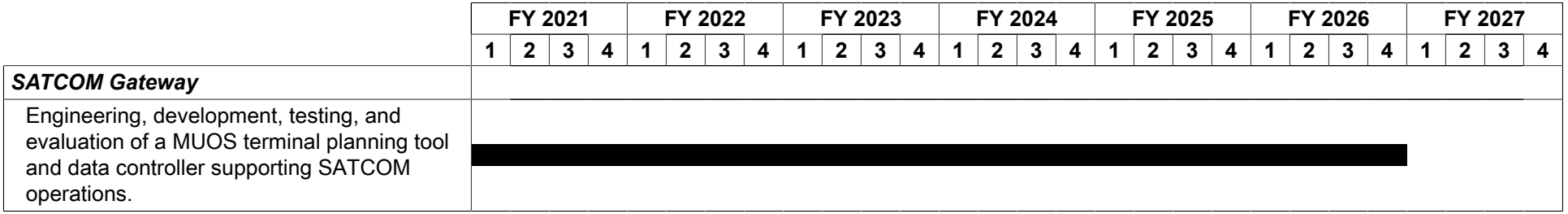


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 1203610K / *Teleport Program*	**Project (Number/Name)** NS03 / *SATCOM Gateway*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
SATCOM Gateway				
Engineering, development, testing, and evaluation of a MUOS terminal planning tool and data controller supporting SATCOM operations.	2	2020	4	2026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 8: *Software and Digital Technology Pilot Programs*	**R-1 Program Element (Number/Name)** PE 0303150K *I Global Command and Control System Software and Digital Technology Pilot Programs*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	32.774	34.987	-	34.987	33.844	33.799	50.526	52.459	Continuing	Continuing
CC01: *Global Command*	0.000	0.000	32.774	34.987	-	34.987	33.844	33.799	50.526	52.459	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Global Command and Control System-Joint (GCCS-J) is the Joint C2 system of record and an essential component for successful implementation of the operational concepts of dominant maneuver, precision engagement, full-dimension protection, and focused logistics. It provides an integrated near real time picture of the battlespace to support joint and multinational operations on US and coalition networks.GCCS-J provides air, maritime, ground, space and cyber tracks for US, coalition, and enemy forces. It also provides applications for situational awareness, missile warning, intelligence, targeting, imagery exploitation, and applications for modeling chemical, biological, radiological, and nuclear (CBRN) hazard areas and effects. GCCS-J is used by key decision makers at the strategic national, strategic theater, and operational levels. Additionally, GCCS-J is used by all nine combatant commands (COCOMs) at sites around the world, supporting joint and coalition operations. The GCCS Family of Systems (FoS) (i.e. the military services) use components of GCCS-J to build their Service unique variants.

GCCS-J provides a Common Operational Picture (COP) with ground, air, maritime, cyber and space tracks for US, coalition, and enemy forces, and has many tactical decision aids and other applications for COP management and situational awareness. GCCS-J is also the system of record for Theater Missile Warning, and provides alerting and display for missile events. GCCS-J displays launch points, missile locations, threat fans, and projected impact points. GCCS-J has applications that provide intelligence support to C2 with national and tactical intelligence data from DIA's Modernized Integrated Database (MIDB), still and motion imagery, and other sources of intelligence. Targeting support is provided via the Joint Targeting Toolbox (JTT) application. GCCS-J also provides Chemical Biological Radiological Nuclear (CBRN) support to C2 via the Joint Effects Model (JEM) and Joint Warning and Reporting Network (JWARN) applications that model CBRN hazard areas/effects and receive/ generate reports for warning affected areas.

1000+ GCCS-J instances can be found around the world (air, land and sea), on 30+ US and Coalition networks, and in 13 active Foreign Military Sales (FMS) cases. The following Joint Staff instructions apply: CJCSI 3265.01A (Governance), CJCSI 6731.01C (Security), and CJCSI 3151.31D (Reporting)

GCCS-J support the Joint All Domain Command and Control (JADC2) which is an approach to military decision making. JADC2 rapidly realize agile & resilient command and control (C2) across all-domains through integrated and synchronized capability development. JADC2 enabling capabilities will provide the ability to connect distributed sensors, intelligence, information, data, and effects from all domains to decision makers from the tactical to the strategic at the scale, tempo, and timing required to accomplish commander’s intent, agnostic to domains, platforms, or functional lanes.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 8: *Software and Digital Technology Pilot Programs*	**R-1 Program Element (Number/Name)** PE 0303150K *I Global Command and Control System Software and Digital Technology Pilot Programs*

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	0.000	32.774	0.000	-	0.000
Current President's Budget	0.000	32.774	34.987	-	34.987
Total Adjustments	0.000	0.000	34.987	-	34.987
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Year	0.000	-	34.987	-	34.987

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President’s Budget request did not include out-year funding.
The increase of $2.213 in FY 2023 is due to the continued development of the Integrated Global Force functionality.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
CC01: *Global Command*	0.000	0.000	32.774	34.987	-	34.987	33.844	33.799	50.526	52.459	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Global Command and Control System-Joint (GCCS-J) is the DOD System of Record for Situational Awareness and Operational Intel. The Global Command and Control System – Joint (GCCS-J) is the Department of Defense (DoD) Command and Control (C2) system of record. GCCS-J provides a robust and seamless C2 capability to the White House, Commander-in-Chief (CINC), Secretary of Defense (SECDEF), National Military Command Center (NMCC), Combatant Commanders (CDRs), Joint Force Commanders, and Service Component Commanders. GCCS-J provides situational awareness and operational intel tools that joint warfighters at all levels use to plan, execute, and manage US and coalition operations.

GCCS-J support the Joint All Domain Command and Control (JADC2) which is an approach to military decision making. JADC2 rapidly realize agile & resilient command and control (C2) across all-domains through integrated and synchronized capability development. JADC2 enabling capabilities will provide the ability to connect distributed sensors, intelligence, information, data, and effects from all domains to decision makers from the tactical to the strategic at the scale, tempo, and timing required to accomplish commander's intent, agnostic to domains, platforms, or functional lanes..".

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Development and Strategic Planning	0.000	32.774	34.987
Description: Develop, publish, and execute a GCCS-J migration and modernization strategy that achieves the following GCCS-J Modernization objectives in accordance with Joint C2 Mission operational priorities and the DoD's JC2 Reference Architecture: • Continue to decompose applicable existing applications into services • Limit local deployment and move as much to the enterprise as possible • Continue to expose data and scale services to support an enterprise implementation • Continue to evolve more economical hardware and software architecture without impact to the operational user or Family of Systems (FoS)/interface partners • Reduce overall sustainment cost through use of more cost effective and appropriate Commercial-off-the-Shelf (COTS) and Hardware (HW) products • Evolve to use of agile development practices • Consolidation of clients and tools			
FY 2022 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Continue the GCCS-J modernization activities that began in FY21 to include: developing, testing, and deploying additional GCCS-J Web client capabilities; support the Joint All Domain Command and Control (JADC2) campaign and series of modernization experiments designed to “increase interoperability, situational awareness and lethality that will enable any shooter, with any sensor, through any C2 node, in near-real time to employ joint and mission partner effects”; continue IPv6 compliance work to achieve DoD’s IPv6 compliance objective; and develop and deploy GCCS-J web client capabilities and backend services to a SIPR cloud environment (e.g. Amazon Web Services, and Microsoft AZURE). ***FY 2023 Plans:*** Continue daily support of the Operational Community. Incrementally developing, testing, and fielding additional GCCS-J 6.0.x and GCCS-J 6.1.x capabilities, as identified and prioritized by the Joint Staff (JS) and User community. Also, continue to address missile warning requirements as defined in the Global Threat Characterization Assessment (GTCA); complete the implementation of the full set of Link 16 requirements in the Link Processing Capability (LPC) application; and address additional high priority items from the Joint Staff "Top 10" list of requirements. Continue to support / fund GCCS-J certification and accreditation activities to include GCCS-J v6.0 reaccreditation; GCCS-J v6.1 accreditation (new); and GCCS-J Enterprise Baseline accreditation (new). Additionally, continue to fund software licenses for the Joint Staff critical sites, as required. Continue the GCCS-J modernization activities that began in FY21 to include: developing, testing, and deploying additional GCCS-J Web client capabilities; support the Joint All Domain Command and Control (JADC2) campaign and series of modernization experiments designed to “increase interoperability, situational awareness and lethality that will enable any shooter, with any sensor, through any C2 node, in near-real time to employ joint and mission partner effects”; continue IPv6 compliance work to achieve DoD’s IPv6 compliance objective; and develop and deploy GCCS-J web client capabilities and backend services to a SIPR cloud environment (e.g. Amazon Web Services, and Microsoft AZURE). ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The increase of $2.213 from FY 2022 to FY 2023 is the result of continued development and deployment of integrated Global Force Management (GFM) functionality.			
Accomplishments/Planned Programs Subtotals	0.000	32.774	34.987

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• PE 0303150K: *Operation & Maintenance, Defense-Wide*	16.254	17.554	18.027	-	18.027	-	-	-	-	Continuing	Continuing

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost

Remarks

D. Acquisition Strategy

Use of performance-based contract awards is maximized while use of Time and Material contracts is minimized to those providing programmatic support versus software development, integration, or testing. All development, integration, and migration efforts within the portfolio are primarily supported through Cost Reimbursable Task Orders issued under competitively awarded contracts. Acquisition Strategies are structured to retain contractors capable of satisfying cost, schedule, and performance objectives. Contract awards incorporate provisions requiring contractors to establish and manage specific earned value data. This strategy mitigates risk by requiring monthly Contract Performance Reviews (CPRs) and utilizing award fee contracts where appropriate to incentivize performance. GCCS-J applies formal acquisition rigor to include reporting requirements, as appropriate, by acquisition program designation.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development	C/CPFF	NMGS: GCCS-J Sustainment : Reston, VA	-	-		18.993	Dec 2021	21.206	Dec 2022	-		21.206	Continuing	Continuing	-
Product Development	C/CPFF	C2 Systems Engineering : TBD	-	-		1.944	Feb 2022	1.944	Feb 2023	-		1.944	Continuing	Continuing	-
Product Development	C/CPFF	GCCS-J Development : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Product Development	C/FFP	Configuration Management : Montgomery	-	-		1.040	Oct 2021	1.040	Oct 2022	-		1.040	Continuing	Continuing	-
Product Development	C/FFP	Milcloud Hosting : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance GEMFIRE : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: VMWare : TBD	-	-		0.148	Apr 2022	0.148	Apr 2023	-		0.148	Continuing	Continuing	-
Product Development	C/FFP	Software Maitenance: Redhat : TBD	-	-		0.565	Dec 2021	0.565	Dec 2022	-		0.565	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance Sybase : TBD	-	-		0.663	Sep 2022	0.663	Sep 2023	-		0.663	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Oracle WebLogic : TBD	-	-		0.806	Jan 2022	0.806	Jan 2023	-		0.806	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Oracle JAVA JELA : TBD	-	-		0.059	Sep 2022	0.059	Nov 2023	-		0.059	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development	C/FFP	Software Maintenance: Microfocus : TBD	-	-		0.084	Mar 2022	0.084	Mar 2023	-		0.084	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: ForgeRock : TBD	-	-		0.048	May 2022	0.048	May 2023	-		0.048	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Microsoft JELA : TBD	-	-		0.031	Nov 2021	0.031	Nov 2022	-		0.031	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: VEEAM : TBD	-	-		0.016	Mar 2022	0.016	Mar 2023	-		0.016	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Fortify : TBD	-	-		0.088	Dec 2021	0.088	Dec 2022	-		0.088	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: JIRA : TBD	-	-		0.039	Dec 2021	0.039	Dec 2022	-		0.039	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Crunchy PostGresSQL : TBD	-	-		0.097	Jul 2022	0.097	Jul 2023	-		0.097	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Risk Radar : TBD	-	-		0.018	Jul 2022	0.018	Jul 2023	-		0.018	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: NetApp : TBD	-	-		0.230	Jul 2022	0.230	Jul 2023	-		0.230	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Solarwinds and Flexera (CC) : TBD	-	-		0.006	Jun 2022	0.006	Jun 2023	-		0.006	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development	C/FFP	HW Maintenance: CISCO JELA : TBD	-	-		0.035	Jun 2022	0.035	Jun 2023	-		0.035	Continuing	Continuing	-
Product Development	C/FFP	HW Maintenance: Sun : TBD	-	-		0.414	Feb 2022	0.414	Feb 2023	-		0.414	Continuing	Continuing	-
		Subtotal	-	-		25.324		27.537		-		27.537	Continuing	Continuing	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Support Cost	C/FFP	TBD : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Support: SD Program Management Support	C/FFP	Strategic Alliance Business Group : Ft Meade	-	-		0.920	Aug 2022	0.920	Aug 2023	-		0.920	Continuing	Continuing	-
Support: GM&A (Travel, Training, Laptops, Credit Card, etc.)	C/FFP	Various : Ft Meade	-	-		0.495	Oct 2021	0.495	Oct 2022	-		0.495	Continuing	Continuing	-
Support: Mobility PDC - EWMB97	MIPR	DISA : Ft Meade	-	-		0.057	Oct 2021	0.057	Oct 2022	-		0.057	Continuing	Continuing	-
Support: Naval Information Warfare Center (NIWC) Atlantic	MIPR	NIWC : Various	-	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	-	-		1.472		1.472		-		1.472	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test & Evaluation	MIPR	JITC : Various	-	-		0.218	Oct 2021	0.218	Oct 2022	-		0.218	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test & Evaluation	MIPR	DAA : STRATCOM:Various	-	-		0.896	Oct 2021	0.896	Oct 2022	-		0.896	Continuing	Continuing	-
Test & Evaluation	MIPR	RME : Various	-	-		0.888	Oct 2021	0.888	Oct 2022	-		0.888	Continuing	Continuing	-
Test & Evaluation	MIPR	DISA Circuit: PDC WHPP : Ft Meade	-	-		0.057	Oct 2021	0.057	Oct 2022	-		0.057	Continuing	Continuing	-
Test & Evaluation	MIPR	Telecommunication Services: CDES FAA : TBD	-	-		0.081	Oct 2021	0.081	Oct 2022	-		0.081	Continuing	Continuing	-
Test & Evaluation	MIPR	C2 Test and Evaluation - NEXTGEN : Various	-	-		2.985	Aug 2022	2.985	Oct 2022	-		2.985	Continuing	Continuing	-
Test & Evaluation	MIPR	SD CyberSecurity Support - U.S. Army Combat Capabilities Development Command Data & Analysis Center : Various	-	-		0.557	Aug 2022	0.557	Oct 2022	-		0.557	Continuing	Continuing	-
Test & Evaluation	MIPR	AIR FORCE RESEARCH LAB/ RIFB (AFRL) : Various	-	-		0.291	Oct 2021	0.291	Oct 2022	-		0.291	Continuing	Continuing	-
Test & Evaluation	MIPR	FAA Feed, FAA NAS Defense Programs : Various	-	-		0.005	Oct 2021	0.005	Oct 2022	-		0.005	Continuing	Continuing	-
		Subtotal	-	-		5.978		5.978		-		5.978	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Management Services	FFRDC	MITRE : Various	-	-		-		-		-		-	Continuing	Continuing	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency			Date: April 2022
Appropriation/Budget Activity 0400 / 8	R-1 Program Element (Number/Name) PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	Project (Number/Name) CC01 / *Global Command*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Management Services	FFRDC	Institute for Defense Analyses (IDA) : Various	-	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	-	-		-		-		-		-	Continuing	Continuing	N/A

	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		32.774		34.987		-		34.987	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*

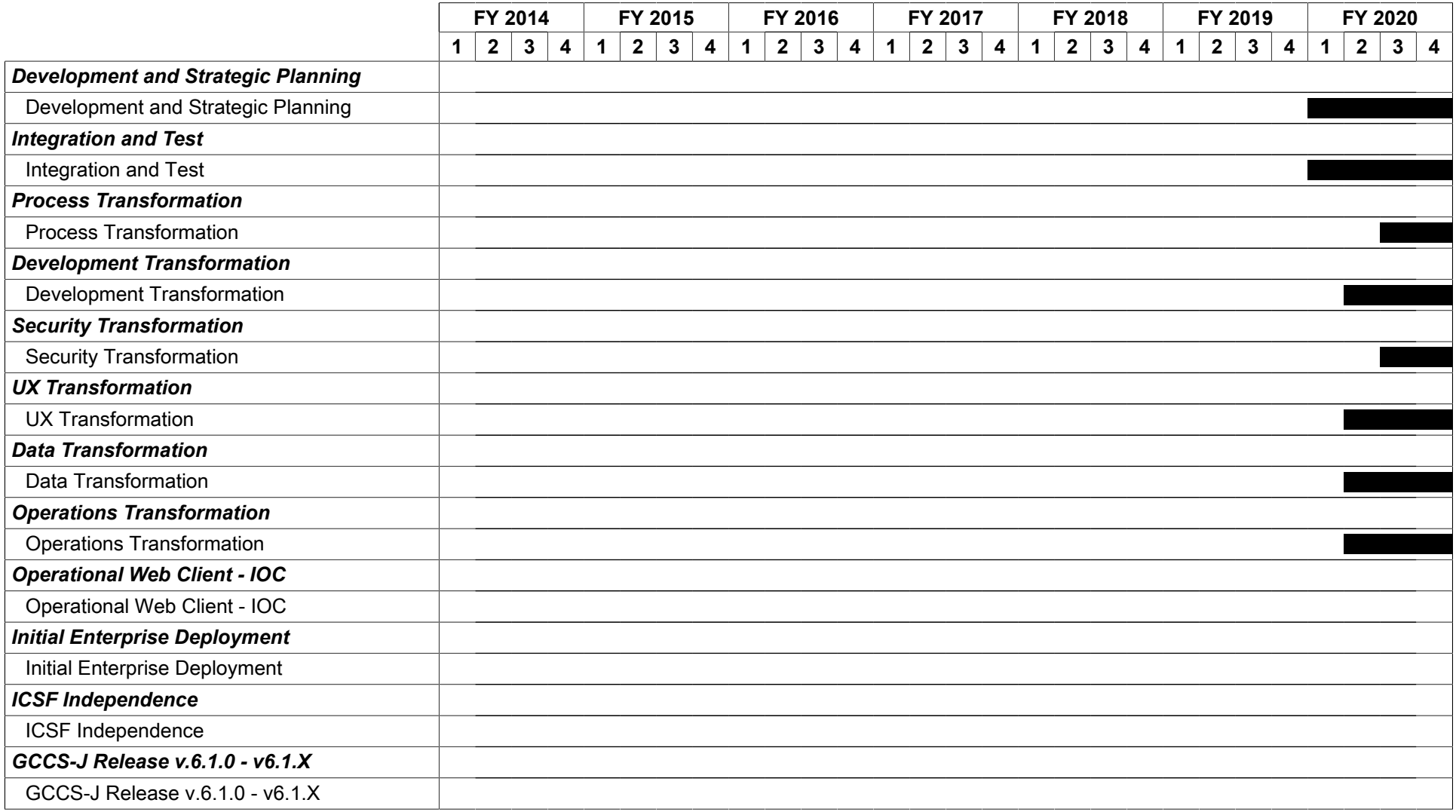
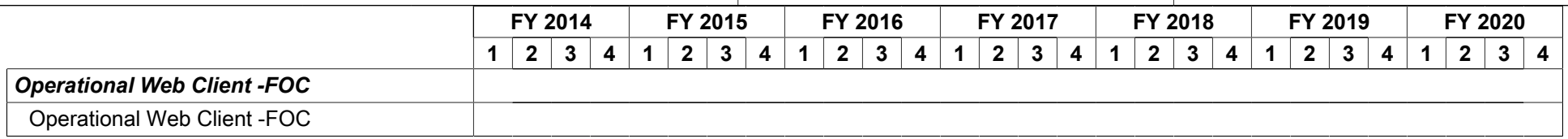


Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*



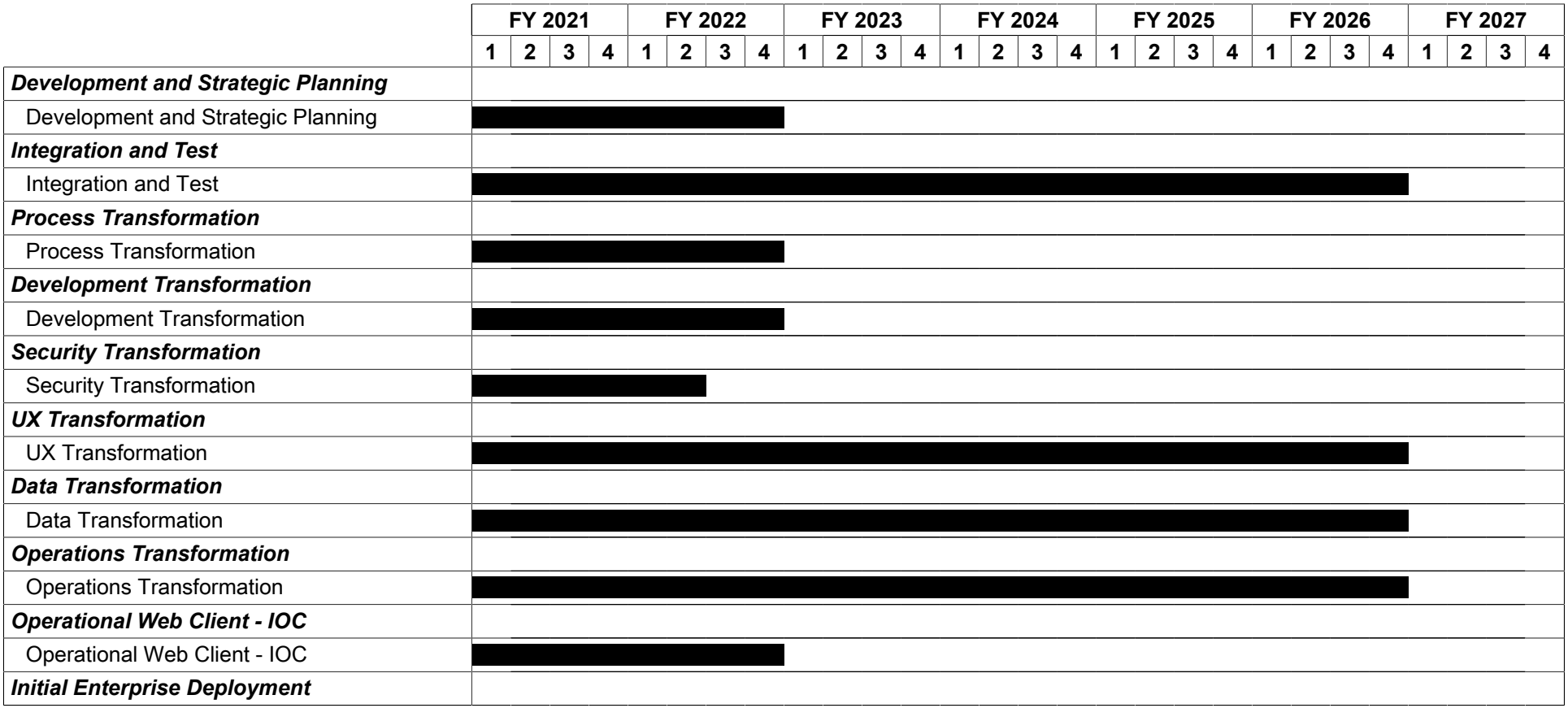


Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*

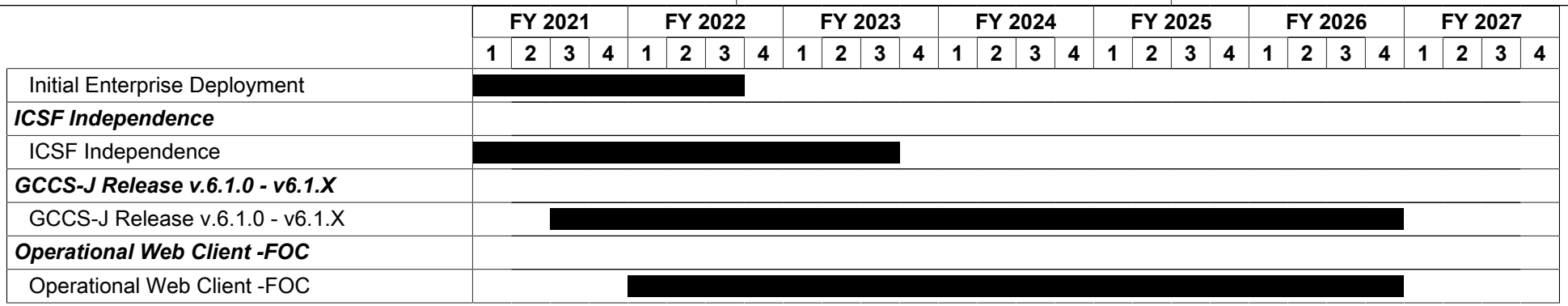


Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Development and Strategic Planning				
Development and Strategic Planning	1	2020	4	2022
Integration and Test				
Integration and Test	1	2020	4	2026
Process Transformation				
Process Transformation	3	2020	4	2022
Development Transformation				
Development Transformation	2	2020	4	2022
Security Transformation				
Security Transformation	3	2020	2	2022
UX Transformation				
UX Transformation	2	2020	4	2026
Data Transformation				
Data Transformation	2	2020	4	2026
Operations Transformation				
Operations Transformation	2	2020	4	2026
Operational Web Client - IOC				
Operational Web Client - IOC	1	2021	4	2022
Initial Enterprise Deployment				
Initial Enterprise Deployment	1	2021	3	2022
ICSF Independence				

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency		Date: April 2022
Appropriation/Budget Activity 0400 / 8	**R-1 Program Element (Number/Name)** PE 0303150K / *Global Command and Control System Software and Digital Technology Pilot Programs*	**Project (Number/Name)** CC01 / *Global Command*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
ICSF Independence	1	2021	3	2023
GCCS-J Release v.6.1.0 - v6.1.X				
GCCS-J Release v.6.1.0 - v6.1.X	3	2021	4	2026
Operational Web Client -FOC				
Operational Web Client -FOC	1	2022	4	2026

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