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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Office of the Secretary Of Defense **Date:** April 2022

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0305304D8Z / <i>Real Property Information Management</i>
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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	18.455	3.152	2.214	8.121	-	8.121	7.868	7.386	7.374	7.370	-	-
305: <i>RP Information Management</i>	16.215	0.816	1.878	7.461	-	7.461	7.249	6.844	6.834	6.830	-	-
306: <i>DoD Application</i>	2.035	0.000	0.336	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
307: <i>RP Clearinghouse</i>	0.205	2.336	0.000	0.660	-	0.660	0.619	0.542	0.540	0.540	-	-

Note

New Start (Y/N): No

A. Mission Description and Budget Item Justification

This program supports the Department's initiative to Build Sustainable and Long-Term Advantage.

Established in FY 2013, and tasked with supporting the Department's goals for audit readiness, energy efficiency, Real Property accountability, and to improve data quality and integration across the full spectrum of Sustainment business functions. DoD Real Property Information Management is used to maintain accurate and accessible data for all DoD real property assets. To manage this information we must conduct Business Process Re-engineering activities, developing and publishing data standards. Funding is also used to support the Assistant Secretary of Defense (ASD) Sustainment Senior Real Property Officer accountability requirements, such as, reconciliation of enterprise real property inventory records and development of asset management processes, business rules and associated data standards. A major component of this effort is fielding an enterprise Data Analytics and Integration Support (DAIS) platform coupled with an independent verification and validation capability, providing access to real time data through Web Services Description Language (WSDL) in support of timely, data-driven decision-making. The DAIS Portal also hosts a build out of data stores and portal requirements for Energy Resiliency and Conservation Investment Program (ERCIP) management as well as, the Construction Management Portal. A funding line was added to manage the RDT&E funding for the DoD Siting Clearinghouse. The program was stood up as a congressional requirement. This program is charged by statute to identify technical mitigation measures necessary to overcome degradation of radar from the proliferation of industrial wind turbine development. This research and development is necessary to work with Federally Funded Research and Development Centers (FFRDCs) to study potential technical improvements to radar.

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B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	3.273	2.227	0.000	-	0.000
Current President's Budget	3.152	2.214	8.121	-	8.121
Total Adjustments	-0.121	-0.013	8.121	-	8.121
• Congressional General Reductions	-	-0.013			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.121	-			
• Adjustments to Budget Year	-	-	8.121	-	8.121

Change Summary Explanation

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

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Office of the Secretary Of Defense										Date: April 2022		
Appropriation/Budget Activity 0400 / 5					R-1 Program Element (Number/Name) PE 0305304D8Z / <i>Real Property Information Management</i>				Project (Number/Name) 305 / <i>RP Information Management</i>			
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
305: <i>RP Information Management</i>	16.215	0.816	1.878	7.461	-	7.461	7.249	6.844	6.834	6.830	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Real Property Inventory fulfills requirements of Executive Orders to achieve and maintain real property accountability and is a key component supporting both audit readiness and life-cycle asset management activities. This funding provides the department independent verification and validation needed to reconcile data errors, promoting improved data quality, and facilitating interoperability with Service systems to provide an enterprise view of asset management across the real property lifecycle from acquisition to disposal. Oversight and configuration management of business rules and standards are used to determine requirements, manage inventory records, and improve business processes. This initiative includes development and procurement of the enterprise data warehouse for integrating existing and future Sustainment systems and database needs. The required Real Property Unique Identifier (RPUID) process is included in this enterprise system.

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

	FY 2021	FY 2022	FY 2023
Title: Real Property Accountability	0.816	1.878	7.461
Description: The ASD Sustainment is the Senior Real Property Officer for the DoD, responsible for accountability and utilization of all DoD Real Property Assets. This funding provides the department an enterprise data warehouse coupled with an independent verification and validation capability. The DoD Real Property Accountability efforts are mandated by Executive Order and Public Law for improved reporting and utilization of federal real property, and to support data-driven decisions.			
FY 2022 Plans: Continue to support reconciliation and audit corrective action plan efforts by identifying errors/inconsistencies in Real Property inventory records, asset accountability and management processes, and business rules and associated data. Continue Data Analytics and Integration Support (DAIS) platform and Web Services Description Language (WSDL) implementation to improve data quality supporting multiple analyses.			
FY 2023 Plans: Continue to support reconciliation and audit corrective action plan efforts by identifying errors/inconsistencies in Real Property inventory records, asset accountability and management processes, and business rules and associated data. Bring Data Analytics and Integration Support (DAIS) platform and Web Services Description Language (WSDL) implementation to IOC and complete links to ADVANA. Ensure improved data quality supporting multiple analyses and provide quality management mechanism for all of the DoD Real Property information.			
FY 2022 to FY 2023 Increase/Decrease Statement:			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023
FY23 funding level reflects restored funding after re-phasing in prior years.			
Accomplishments/Planned Programs Subtotals	0.816	1.878	7.461

C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

D. Acquisition Strategy

Program utilizes Washington Headquarters Services Acquisition Directorate for EEIM contract support requirements.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Office of the Secretary Of Defense **Date:** April 2022

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / <i>Real Property Information Management</i>	Project (Number/Name) 305 / <i>RP Information Management</i>
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Product Development (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
El&E Data Analytics & Integration Platform	C/FFP	FTC : Herndon VA	3.539	0.200	Mar 2021	0.000		-		-		-	Continuing	Continuing	-
Subtotal			3.539	0.200		0.000		-		-		-	Continuing	Continuing	N/A

Remarks
Operations, maintenance and continued development of reports and tools for DAIS are planned to be added as a task in the main BSI support contract in FY22. This is in support of our continued effort to reduce the number of contracts managed by DASD Real Property.

Support (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
BSI Support Contract Base Plus 4 Option Years	C/FFP	ANSER : Mark Center	8.910	-		1.878	Apr 2022	6.000	Apr 2023	-		6.000	Continuing	Continuing	-
Defense Installation Spatial Data Infrastructure (DISDI) IGI&S Portal	MIPR	USACE : CRREL	1.298	0.100	May 2021	-		1.461		-		1.461	Continuing	Continuing	-
BSI Support Contract Re-compete (7 Month Base)	C/FFP	TBD : Mark Center	2.468	0.516	Apr 2021	-		-		-		-	Continuing	Continuing	-
Subtotal			12.676	0.616		1.878		7.461		-		7.461	Continuing	Continuing	N/A

Remarks
DAIS support contract goes away in FY22 and BSI support contract will continue to support DAIS as a added task 14.

	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	16.215	0.816	1.878	7.461	-	7.461	Continuing	Continuing	N/A

Remarks
NA

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Office of the Secretary Of Defense **Date:** April 2022

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / <i>Real Property Information Management</i>	Project (Number/Name) 305 / <i>RP Information Management</i>
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ID	Task Name	Start	Finish	2021				2022				2023			
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1	EI&E DBS PFM Reviews	10/01/18	continuous	[Gantt bar spanning all quarters from 2021 to 2023]											
2	Develop BEA Artifacts	01/01/21	30/01/2023	[Gantt bar from Q1 2021 to Q1 2023]											
3	Business Process Re-Engineering	01/01/17	09/30/22	[Gantt bar from Q1 2017 to Q3 2022]											
4	RPIM Updates	11/01/20	Continuous	[Gantt bar from Q4 2020 to Q4 2023]											
5	Basing Decision Tree BPR	10/01/20	03/20/22	[Gantt bar from Q4 2020 to Q1 2022]											
6	IV&V	10/01/18	continuous	[Gantt bar spanning all quarters from 2021 to 2023]											
7	EI&E Processes Auditability	10/01/20	Continuous	[Gantt bar from Q4 2020 to Q4 2023]											
8	EI&E Data Analytics & Integration	10/01/21	09/30/23	[Gantt bar from Q4 2021 to Q3 2023]											
9	DISDI IGI&S Portal	10/01/21	09/30/23	[Gantt bar from Q4 2021 to Q3 2023]											

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Office of the Secretary Of Defense **Date:** April 2022

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / <i>Real Property Information Management</i>	Project (Number/Name) 305 / <i>RP Information Management</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>PfM</i>				
EI&E DBS PfM Reviews	1	2018	4	2023
Develop EI&E BEA Artifacts	2	2021	1	2023
Real Property BPRs	1	2017	4	2022
<i>Real Property Asset Management</i>				
RPIM Updates	1	2020	4	2023
Basing Moves Decision Tree BPR	2	2021	4	2023
IV&V	1	2018	4	2023
Real Property Process & System Auditability	1	2020	4	2023
Real Property Data Analytics & Integration	1	2021	4	2023
DISDI IGI&S Portal, Map, tools, and reports development and integration	1	2021	4	2023

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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
306: <i>DoD Application</i>	2.035	0.000	0.336	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The DoD Application is charged by statute to identify technical mitigation measures necessary to overcome degradation of radars from the proliferation of industrial wind turbine development. This research and development is necessary to work with Federally Funded Research and Development Centers (FFRDCs) to study potential technical improvements to radars.

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

	FY 2021	FY 2022	FY 2023
Title: DoD Application	0.000	0.336	0.000
Description: The DoD Application works with FFRDCs to identify technical mitigation measures necessary to overcome degradation of radars from the proliferation of industrial wind turbine development. This research and development is necessary to study potential technical improvements to radars.			
FY 2022 Plans: N/A			
FY 2023 Plans: N/A			
FY 2022 to FY 2023 Increase/Decrease Statement: N/A			
Accomplishments/Planned Programs Subtotals	0.000	0.336	0.000

C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

N/A

D. Acquisition Strategy

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Office of the Secretary Of Defense **Date:** April 2022

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Test and Evaluation (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Coordinate Tech Studies to overcome impacts to Radar	FFRDC	FFRDC : TBD	2.035	0.000		0.336		0.000		0.000		0.000	Continuing	Continuing	-
Subtotal			2.035	0.000		0.336		0.000		0.000		0.000	Continuing	Continuing	N/A

Remarks
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	2.035	0.000	0.336	0.000	0.000	0.000	Continuing	Continuing	N/A

Remarks
N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Office of the Secretary Of Defense			Date: April 2022
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	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
DoD Application																												
Develop FY 2020 Program																												
FY 2020 Study Eval																												
Develop FY 2021 Program																												
FY 2021 Study Evaluation																												
FY 2022 Study Evaluation																												

	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
DoD Application																												
Develop FY 2020 Program																												
FY 2020 Study Eval																												
Develop FY 2021 Program																												
FY 2021 Study Evaluation																												
FY 2022 Study Evaluation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Office of the Secretary Of Defense		Date: April 2022
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / <i>Real Property Information Management</i>	Project (Number/Name) 306 / <i>DoD Application</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>DoD Application</i>				
Develop FY 2020 Program	1	2019	4	2019
FY 2020 Study Eval	1	2020	4	2020
Develop FY 2021 Program	4	2019	3	2020
FY 2021 Study Evaluation	1	2021	4	2021
FY 2022 Study Evaluation	1	2022	4	2022

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Office of the Secretary Of Defense **Date:** April 2022

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / <i>Real Property Information Management</i>	Project (Number/Name) 307 / <i>RP Clearinghouse</i>
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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
307: <i>RP Clearinghouse</i>	0.205	2.336	0.000	0.660	-	0.660	0.619	0.542	0.540	0.540	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The DoD Siting Clearinghouse is charged by statute to identify technical mitigation measures necessary to overcome degradation of radar from the proliferation of industrial wind turbine development. This research and development is necessary to work with Federally Funded Research and Development Centers (FFRDCs) to study potential technical improvements to radar.

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

	FY 2021	FY 2022	FY 2023
Title: RP Clearinghouse	2.336	0.000	0.660
Description: The DoD Siting Clearinghouse works with FFRDCs to identify technical mitigation measures necessary to overcome degradation of radar from the proliferation of industrial wind turbine development. This research and development is necessary to study potential technical improvements to radar.			
FY 2022 Plans: Continue to support radar studies as planned through the Wind Turbine Interference Mitigation Forum.			
FY 2023 Plans: Continue to support radar studies as planned through the Wind Turbine Interference Mitigation Forum.			
FY 2022 to FY 2023 Increase/Decrease Statement: The DoD Clearinghouse has an increase in funding starting FY 2023 reflecting congressional emphasis on increased mission capability.			
Accomplishments/Planned Programs Subtotals	2.336	0.000	0.660

C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

N/A

D. Acquisition Strategy

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Office of the Secretary Of Defense **Date:** April 2022

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0305304D8Z / Real Property Information Management	Project (Number/Name) 307 / RP Clearinghouse
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Support (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
DISDI Portal	C/FFP	USACE Contracted Vendor : USACE	0.005	-		0.000	Mar 2022	-		-		-	Continuing	Continuing	-
Subtotal			0.005	-		0.000		-		-		-	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Platform Resilience Mission Assurance (PRMA)	MIPR	ARMAMENT RDEC : BLDG 91 4TH AVE, PICATINNY ARSENAL NJ 07806-5000	0.200	0.336		-		-		-		-	Continuing	Continuing	-
Continue to support radar studies as planned through the Wind Turbine Interference Mitigation Forum.	FFRDC	TBD : TBD	0.000	2.000	May 2021	0.000	May 2022	0.660	May 2023	-		0.660	Continuing	Continuing	-
Subtotal			0.200	2.336		0.000		0.660		-		0.660	Continuing	Continuing	N/A

Remarks
NA

	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	0.205	2.336	0.000	0.660	-	0.660	Continuing	Continuing	N/A

Remarks
NA

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Office of the Secretary Of Defense **Date:** April 2022

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ID	Task Name	Start	Finish	2020				2021				2022				2023			
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
1	Develop FY-21 Program	10/01/20	06/30/20																
2	FY-21 Study Eval	01/01/21	09/30/21																
3	Develop FY-22 Program	10/01/21	06/30/21																
4	FY-22 Study Eval	01/01/22	09/30/22																
5	Develop FY-23 Program	10/01/22	06/30/22																
6	FY-23 Study Eval	01/01/23	09/30/23																

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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>RP Siting Clearinghouse</i>				
Develop FY 2021 Program	1	2020	3	2020
FY 2021 Studies Evaluations	1	2021	4	2021
Develop FY 2022 Program	1	2021	4	2021
FY 2022 Studies Evaluations	1	2022	4	2022
Develop FY 2023 Program	1	2022	4	2022
FY 2023 Studies Evaluations	1	2023	4	2024