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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 DoD Human Resources Activity **Date:** May 2021

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0303140SE / <i>DHRA Cyber - R&D in Support of DOD Enlistment, Testing and Evaluation</i>
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	1.112	0.853	-	0.853	-	-	-	-	-	-
1: <i>Enterprise Data Services (EDS)</i>	0.000	0.000	0.774	0.853	-	0.853	-	-	-	-	-	-
2: <i>Identity Credential Management (ICM)</i>	0.000	0.000	0.262	0.000	-	0.000	-	-	-	-	-	-
3: <i>Personnel Accountability (PA)</i>	0.000	0.000	0.076	0.000	-	0.000	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Department of Defense Human Resources Activity (DHRA) is a DoD-wide Field Activity chartered to support the Under Secretary of Defense for Personnel and Readiness (USD (P&R)). This PE includes application of R&D to support cybersecurity improvements across the DHRA enterprise.

Project 1: Enterprise Data Services (EDS). Supports the cybersecurity activities related to the Defense Manpower Data Center's (DMDC's) EDS mission. In FY 2022, EDS is addressing a critical project to modernization the Joint Officer Management (JOM) system. The legacy system JOM system was built in the 1990s and requires extensive redevelopment to resolve existing security issues and ensure new development complies with Department cybersecurity policies. This funding will be used to obtain support from cybersecurity experts during development.

Project 2: Identity Credential Management (ICM). DMDC executes DHRA's responsibility to provide a central source of identification and authorization of people during and after their affiliation with DoD for identity protection, security, entitlements, and benefits verification. This funding will support the evaluation and testing emerging technologies that will develop more robust and secure capabilities for the Department's ICM program, including the analysis of the security posture of these technologies. This project ends in FY 2021.

Project 3: Personnel Accountability (PA). This program is comprised of several systems, including: Synchronized Pre-Deployment Operational Tracker Enterprise Suite (SPOT-ES), Joint Personnel Accountability Reconciliation and Reporting (JPARR), Defense Travel System (DTS)/Defense Travel System Modernization and Noncombatant Evacuation Operations (NEO) Tracking System (NTS). This family of systems represents end-to-end tracking, reconciliation and reporting of DoD personnel location and movements, to include military, DoD affiliated civilians, DoD, DoS and USAID contractors and U.S. citizens. This includes DoD travel, contracts, and contractor personnel tracking in support of military operations, contingencies, military readiness, reporting of locations at the unit and person level, accountability of DoD personnel during (and after) natural or man-made disasters and accountability and visibility of noncombatant evacuees. This funding will be used to obtain support from cybersecurity experts during the modernization of these systems. This project ends in FY 2021.

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B. Program Change Summary (\$ in Millions)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	0.000	1.112	0.856	-	0.856
Current President's Budget	0.000	1.112	0.853	-	0.853
Total Adjustments	0.000	0.000	-0.003	-	-0.003
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment for inflation change.	-	-	-0.003	-	-0.003

Change Summary Explanation

The increase from FY 2021 to FY 2022 supports the JOM cyber requirements including finalizing the production ATO.

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Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0303140SE / DHRA Cyber - R&D in Support of DOD Enlistment, Testing and Evaluation	Project (Number/Name) 1 / Enterprise Data Services (EDS)
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
1: Enterprise Data Services (EDS)	0.000	0.000	0.774	0.853	-	0.853	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Supports cybersecurity research and development efforts on the Joint Officer Management (JOM) modernization initiative. The JOM modernization initiative will support cybersecurity improvements to the program that tracks and manages joint personnel officer readiness capability.

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

	FY 2020	FY 2021	FY 2022
Title: Enterprise Data Services (EDS)	-	0.774	0.853
Description: Supports cybersecurity research and development efforts on two critical projects, the Joint Officer Management (JOM) modernization initiative and Enterprise Data to Decisions Information Environment (EDDIE).			
FY 2021 Plans: FY 2021 Plans: Provide cybersecurity support for JOM implementation. Provide cybersecurity support for the initial development efforts of EDDIE.			
FY 2022 Plans: Revise JOM Risk Management Framework assessment and audit for Authority to Operate. Complete revised JOM Privacy Impact Assessment and System of Records Notice.			
FY 2021 to FY 2022 Increase/Decrease Statement: The FY 2021 funding represents the cyber portion of the effort for both the JOM modernization project and the EDDIE project. The EDDIE cybersecurity support for development will be completed in FY 2021. The JOM cyber will increase in FY 2022 to support the integration of multiple hosting platforms and finalize production ATO.			
Accomplishments/Planned Programs Subtotals	-	0.774	0.853

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

N/A

Remarks

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D. Acquisition Strategy
N/A

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Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0303140SE / DHRA Cyber - R&D in Support of DOD Enlistment, Testing and Evaluation	Project (Number/Name) 2 / Identity Credential Management (ICM)
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
2: Identity Credential Management (ICM)	0.000	0.000	0.262	0.000	-	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Defense Manpower Data Center (DMDC) executes DHRA's responsibility to provide a central source of identification and authorization of people during and after their affiliation with DoD for identity protection, security, entitlements, and benefits verification. This funding will support the evaluation and testing emerging technologies that will develop more robust and secure capabilities for the Department's ICM program, including the analysis of the security posture of these technologies.

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

	FY 2020	FY 2021	FY 2022
Title: Identity Credential Management (ICM)	-	0.262	0.000
Description: DMDC executes DHRA's responsibility to provide a central source of identification and authorization of people during and after their affiliation with DoD for identity protection, security, entitlements, and benefits verification. This funding will support the evaluation and testing emerging technologies that will develop more robust and secure capabilities for the Department's ICM program, including the analysis of the security posture of these technologies.			
FY 2021 Plans: Provide cybersecurity support to identity proofing pilot.			
FY 2022 Plans: None. This project will be completed in FY 2021.			
FY 2021 to FY 2022 Increase/Decrease Statement: This project will be completed in FY 2021.			
Accomplishments/Planned Programs Subtotals	-	0.262	0.000

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

N/A

Remarks

D. Acquisition Strategy

N/A

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Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0303140SE / DHRA Cyber - R&D in Support of DOD Enlistment, Testing and Evaluation	Project (Number/Name) 3 / Personnel Accountability (PA)
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
3: Personnel Accountability (PA)	0.000	0.000	0.076	0.000	-	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Personnel Accountability program is comprised of several systems, including: Synchronized Pre-Deployment Operational Tracker Enterprise Suite (SPOT-ES), Joint Personnel Accountability Reconciliation and Reporting (JPARR), Defense Travel System (DTS)/Defense Travel System Modernization and Noncombatant Evacuation Operations (NEO) Tracking System (NTS). This funding will be used to obtain support from cybersecurity experts during the modernization of these systems.

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

	FY 2020	FY 2021	FY 2022
Title: Personnel Accountability (PA)	-	0.076	0.000
Description: The Personnel Accountability program is comprised of several systems, including: Synchronized Pre-Deployment Operational Tracker Enterprise Suite (SPOT-ES), Joint Personnel Accountability Reconciliation and Reporting (JPARR), Defense Travel System (DTS)/Defense Travel System Modernization and Noncombatant Evacuation Operations (NEO) Tracking System (NTS). This funding will be used to obtain support from cybersecurity experts during the modernization of these systems.			
FY 2021 Plans: Provide cybersecurity expertise during the development of enhancements to the SPOT, JAMMS and NTS systems to include additional online capabilities as required by the Joint DOTmLPF-P Change Recommendation for Operational Contract Support.			
FY 2022 Plans: None. This project will be complete in FY 2021 and the program has been realigned to the newly established "Personnel Accountability and Security."			
FY 2021 to FY 2022 Increase/Decrease Statement: This project will be completed in FY 2021.			
Accomplishments/Planned Programs Subtotals	-	0.076	0.000

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

N/A

Remarks

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D. Acquisition Strategy
N/A