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

Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 5: System Development & Demonstration (SDD)</i>					PE 0605021SE / <i>Homeland Personnel Security Initiative</i>							
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	5.189	7.295	7.287	7.205	-	7.205	-	-	-	-	-	-
01: <i>Homeland Security Presidential Directive (HSPD-12) Initiative</i>	5.189	0.295	0.295	0.300	-	0.300	-	-	-	-	-	-
02: <i>Enterprise Data Services (EDS)</i>	0.000	4.200	4.195	0.000	-	0.000	-	-	-	-	-	-
03: <i>Identity Credential Management (ICM)</i>	0.000	2.800	2.797	6.905	-	6.905	-	-	-	-	-	-

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)). RDT&E funds are applied to continue the development of Mission Partner Identity, Credential and Access Management (ICAM) services such as the Mission Partner Registry, Multi-Factor Authentication Credential Registry and Backend Attribute Exchange to facilitate the registration and sponsorship of DoD Mission Partner's and their externally issued credentials and the associated attribute exchange service to facilitate Mission Partner access to DoD Assets. Funding is also used to research security and standards compliance improvements for the CAC and the USID card, which provides identification for personnel not eligible for the CAC. Funding for the Identity Credential Management (ICM) program supports the DoD Chief Information Officer's Identity, Credential and Access Management (ICAM) initiatives.

B. Program Change Summary (\$ in Millions)

	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022 Base</u>	<u>FY 2022 OCO</u>	<u>FY 2022 Total</u>
Previous President's Budget	7.295	7.287	7.297	-	7.297
Current President's Budget	7.295	7.287	7.205	-	7.205
Total Adjustments	0.000	0.000	-0.092	-	-0.092
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments for inflation rates.	-	-	-0.092	-	-0.092

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Appropriation/Budget Activity
0400: *Research, Development, Test & Evaluation, Defense-Wide / BA 5: System Development & Demonstration (SDD)*

R-1 Program Element (Number/Name)
PE 0605021SE / *Homeland Personnel Security Initiative*

Change Summary Explanation

No change.

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

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605021SE / Homeland Personnel Security Initiative	Project (Number/Name) 01 / Homeland Security Presidential Directive (HSPD-12) Initiative
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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
01: Homeland Security Presidential Directive (HSPD-12) Initiative	5.189	0.295	0.295	0.300	-	0.300	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Homeland Security Presidential Directive (HSPD-12) Initiative: HSPD-12 and the Federal Information Processing Standard (FIPS) Special Publication 201 require Federal Agencies to issue a Personal Identification Verification (PIV) card to enable rapid electronic authentication for all Government employees, uniformed service members, and contractors. Real-time Automated Personnel Identification System (RAPIDS) is the DoD enterprise capability that issues the Common Access Card (CAC) (DoD's implementation of the PIV card) and enables updates to DEERS, thus providing an enterprise-wide credential for both physical and logical access to DoD facilities and networks.

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

	FY 2020	FY 2021	FY 2022
Title: Defense Enrollment Eligibility Reporting System/HSPD-12	0.295	0.295	0.300
Description: HSPD-12 requires rapid electronic authentication for all Government employees, uniformed individuals and contractors.			
FY 2021 Plans: HSPD-12: FY 2021 HSPD-12 RDT&E funds will be used to continue improved standards compliance and security of the CAC.			
FY 2022 Plans: HSPD-12: FY 2022 HSPD-12 RDT&E funds will be used to continue progress made in FY 2021 to comply with the improved standards and to ensure the security of the CAC.			
FY 2021 to FY 2022 Increase/Decrease Statement: HSPD-12: No change.			
Accomplishments/Planned Programs Subtotals	0.295	0.295	0.300

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

N/A

Remarks

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Exhibit R-2A, RDT&E Project Justification: PB 2022 DoD Human Resources Activity		Date: May 2021
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605021SE / <i>Homeland Personnel Security Initiative</i>	Project (Number/Name) 01 / <i>Homeland Security Presidential Directive (HSPD-12) Initiative</i>

D. Acquisition Strategy

HSPD-12: Existing contract vehicles in place/General Services Administration for Commercial Off The Shelf (COTS).

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 DoD Human Resources Activity **Date:** May 2021

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605021SE / Homeland Personnel Security Initiative	Project (Number/Name) 01 / Homeland Security Presidential Directive (HSPD-12) Initiative
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Test and Evaluation (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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			
Homeland Personnel Security Directive (HSPD-12) Initiative	C/IDIQ	Gulf Coast Enterprise : Pensacola, FL	5.189	0.295	Dec 2019	0.295	Dec 2020	0.300		-		0.300	Continuing	Continuing	-
Subtotal			5.189	0.295		0.295		0.300		-		0.300	Continuing	Continuing	N/A

Remarks
HSPD-12: RDT&E funds in HSPD-12 will extend through the FYDP and be applied to research and investigation of improved standards compliance and security of the CAC.

	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	5.189	0.295	0.295	0.300	-	0.300	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2022 DoD Human Resources Activity		Date: May 2021
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605021SE / <i>Homeland Personnel Security Initiative</i>	Project (Number/Name) 01 / <i>Homeland Security Presidential Directive (HSPD-12) Initiative</i>

FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026			
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

<i>Homeland Security Presidential Directive (HSPD-12)</i>	
HSPD-12	██████████

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Exhibit R-4A, RDT&E Schedule Details: PB 2022 DoD Human Resources Activity		Date: May 2021
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605021SE / <i>Homeland Personnel Security Initiative</i>	Project (Number/Name) 01 / <i>Homeland Security Presidential Directive (HSPD-12) Initiative</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Homeland Security Presidential Directive (HSPD-12)</i>				
HSPD-12	1	2021	4	2021

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

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605021SE / Homeland Personnel Security Initiative	Project (Number/Name) 02 / 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
02: Enterprise Data Services (EDS)	0.000	4.200	4.195	0.000	-	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Project 2: Enterprise Data Services - supports the DoD CIO Identity, Credential and Access Management initiative to implement end-to-end digital services for person entities in support of DoD cybersecurity, interoperability, and secure information sharing across the Department and with mission partners. The enhancements to the Defense Manpower Data Center (DMDC) data repositories will implement a data centric approach to collect, verify, maintain, and share identity and other attributes. The development of new data attributes and services will enable authentication to DoD networks and resources through common standards, shared services and federation.

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

	FY 2020	FY 2021	FY 2022
Title: Enterprise Data Services	4.200	4.195	0.000
Description: Enterprise Data Services funding will update the data structures and attributes collected to secure trusted environments across the DoD so people can securely access all authorized resources based on mission need. These updates will also ensure DoD CIO has visibility of who and what is on the network at any point in time.			
FY 2021 Plans: Finish development and testing on the back-end attribute exchange and implement solutions to deploy full operation capability. FY 2021 RDT&E funds will be used to develop and field the initial operating capability of the back-end attribute exchange in support of authentication for mission partners to access DoD networks and resources.			
FY 2022 Plans: None.			
FY 2021 to FY 2022 Increase/Decrease Statement: Realigned program capability and funding to Identity Credential Management (ICM).			
Accomplishments/Planned Programs Subtotals	4.200	4.195	0.000

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

N/A

Remarks

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Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605021SE / <i>Homeland Personnel Security Initiative</i>	Project (Number/Name) 02 / <i>Enterprise Data Services (EDS)</i>

D. Acquisition Strategy
N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2022 DoD Human Resources Activity		Date: May 2021
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605021SE / <i>Homeland Personnel Security Initiative</i>	Project (Number/Name) 02 / <i>Enterprise Data Services (EDS)</i>

FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026			
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

Enterprise Data Services	
Enterprise Data Services	[REDACTED]

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Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605021SE / <i>Homeland Personnel Security Initiative</i>	Project (Number/Name) 02 / <i>Enterprise Data Services (EDS)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Enterprise Data Services</i>				
Enterprise Data Services	2	2020	2	2021

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

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605021SE / Homeland Personnel Security Initiative	Project (Number/Name) 03 / 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
03: Identity Credential Management (ICM)	0.000	2.800	2.797	6.905	-	6.905	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Identity Credential Management establishes DHRA/Defense Manpower Data Center (DMDC) as the Enterprise Identity and Credential Registration Service Provider for the Department of Defense; in this role, DMDC will develop improved identity federation solutions including the implementation of multi-factor authentication registration services, attribute assertion services, centralized enterprise credential registry service, and a mission partner registration/sponsorship service.

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

	FY 2020	FY 2021	FY 2022
Title: Identity Credential Management	2.800	2.797	6.905
Description: Identity Credential Management establishes DHRA/DMDC as the Enterprise Identity and Credential Registration Service Provider for the Department of Defense; in this role, DMDC will develop improved identity federation solutions including the implementation of multi-factor authentication registration services, attribute assertion services, centralized enterprise credential registry service, and a mission partner registration/sponsorship service.			
FY 2021 Plans: FY 2021 RDT&E funds will be used to develop and deploy an initial operating capability for mission partner registration services.			
FY 2022 Plans: FY 2022 RDT&E funds will be used to develop the full operating capability of the mission partner registration services and multi-factor authentication registration services. Develop and test a proof of concept to enhance self-service capabilities for the issuance of the Uniformed Services Identification Card (USID) card.			
FY 2021 to FY 2022 Increase/Decrease Statement: In FY 2022 the scope of the mission partner registration services expands to include the ability to support additional credentials and mission partner types in support of the establishment of a zero-trust environment. Program funding realigned to ICM from Enterprise Data Services (EDS).			
Accomplishments/Planned Programs Subtotals	2.800	2.797	6.905

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

N/A

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

Remarks

N/A

D. Acquisition Strategy

N/A

UNCLASSIFIED

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FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026			
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

<i>Identity Credential Management</i>	
Identity Credential Management	

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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Identity Credential Management</i>				
Identity Credential Management	1	2020	4	2021