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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2025 The Joint Staff **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604331J / <i>Rapid Prototyping Program</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	0.000	7.226	9.880	7.710	-	7.710	9.075	9.717	11.000	11.000	Continuing	Continuing
001: : <i>Rapid Defense Experimentation Reserve</i>	0.000	7.226	9.880	7.710	-	7.710	9.075	9.717	11.000	11.000	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

Rapid Defense Experimentation Reserve (RDER) facilitates rapid force modernization. FY 2023 - FY 2027 Defense Planning Guidance established this initiative to encourage multi-service experimentation through a campaign of learning. Services, Agencies, and other participating organizations identify “best of breed” existing capabilities developed among the DoD prototyping programs and execute approved projects through large-scale experiments to refine the Joint Warfighting Concept (JWC). The Joint Staff (JS) J-7 leads the RDER JWC Working Group for the overall program. The Working Group provides four functions for the overall effort:

1. Assess JWC alignment for RDER proposed experiments as part of triage and proposal approval process
2. Assess RDER prototyping and field experimentation during execution.
3. Provide verification of JWC alignment for completed RDER experiments and provide validation of RDER experimentation impact to concept key operational problems, tasks, and imperatives.
4. Throughout RDER experiment lifecycle, provide data management, analytics, and archiving for the RDER campaign of learning.

The RDER program accelerates JWC experimentation. JS J-7 provides RDER leadership with independent JWC alignment and assessment, and integration into the overall JWC Experimentation Campaign. PE 0604331J, Rapid Prototyping Program is an essential JS J-7 component of an integrated RDER program. The JS contribution is complementary of OUSD R&E RDER field experimentation planning and execution, not duplicative. Crosswalk of OUSD R&E and JS J-7 efforts for RDER - OUSD R&E leads and manages the entire RDER program. JS J-7 is designated by OUSD R&E to lead and manage the RDER JWC Working Group to accomplish the functions above, and to provide data management for the overall RDER effort.

The JS support is integral and embedded.

1. The RDER program accelerates JWC experimentation.
2. JS J-7 provides RDER leadership with independent JWC alignment and assessment, and integration into the overall JWC Experimentation Campaign.
3. PE 0604331J, Rapid Prototyping Program is an essential JS J-7 component of an integrated RDER program. The JS contribution is complementary of OUSD R&E RDER field experimentation planning and execution, not duplicative.
4. Crosswalk of OUSD R&E and JS J-7 efforts for RDER - OUSD R&E leads and manages the entire RDER program. JS J-7 is designated by OUSD R&E to lead and manage the RDER JWC Working Group to accomplish the functions above, and to provide data management for the overall RDER effort – function D above. The JS support is integral and embedded. The OUSD R&E narrative describes the entire program – which includes the JS J-7 roles and functions.

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2025 The Joint Staff	<b>Date:</b> March 2024
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<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604331J I <i>Rapid Prototyping Program</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	7.226	9.880	11.000	-	11.000
Current President's Budget	7.226	9.880	7.710	-	7.710
Total Adjustments	0.000	0.000	-3.290	-	-3.290
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustment	-	-	-3.290	-	-3.290

**Change Summary Explanation**

Reduced support to Rapid Prototyping efforts.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 The Joint Staff										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 0400 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0604331J / <i>Rapid Prototyping Program</i>				<b>Project (Number/Name)</b> 001 / : <i>Rapid Defense Experimentation Reserve</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
001: : <i>Rapid Defense Experimentation Reserve</i>	0.000	7.226	9.880	7.710	-	7.710	9.075	9.717	11.000	11.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

Rapid Defense Experimentation Reserve (RDER) facilitates rapid force modernization. FY 2023 -2027 Defense Planning Guidance established this initiative to encourage multi-service experimentation through a campaign of learning. Services, Agencies, and other participating organizations identify “best of breed” existing capabilities developed among the DoD prototyping programs and execute approved projects through large-scale experiments to refine the Joint Warfighting Concept (JWC). The JS J-7 leads the RDER JWC Working Group for the overall program. The Working Group provides four functions for the overall effort:

1. Assess JWC alignment for RDER proposed experiments as part of triage and proposal approval process
2. Assess RDER prototyping and field experimentation during execution.
3. Provide verification of JWC alignment for completed RDER experiments and provide validation of RDER experimentation impact to concept key operational problems, tasks, and imperatives.
4. Throughout RDER experiment lifecycle, provide data management, analytics, and archiving for the RDER campaign of learning.

The RDER program accelerates JWC experimentation. JS J-7 provides RDER leadership with independent JWC alignment and assessment, and integration into the overall JWC Experimentation Campaign. JE 0604331J, Rapid Prototyping Program is an essential JS J-7 component of an integrated RDER program. The JS contribution is complementary of OUSD R&E RDER field experimentation planning and execution, not duplicative. Crosswalk of OUSD R&E and JS J-7 efforts for RDER - OUSD R&E leads and manages the entire RDER program. JS J-7 is designated by OUSD R&E to lead and manage the RDER JWC Working Group in order to accomplish the functions above, and to provide data management for the overall RDER effort.

The JS support is integral and embedded:

1. The RDER program accelerates JWC experimentation.
2. JS J-7 provides RDER leadership with independent JWC alignment and assessment, and integration into the overall JWC Experimentation Campaign.
3. PE 0604331J, Rapid Prototyping Program is an essential JS J-7 component of an integrated RDER program. The JS contribution is complementary of OUSD R&E RDER field experimentation planning and execution, not duplicative.
4. Crosswalk of OUSD R&E and JS J-7 efforts for RDER - OUSD R&E leads and manages the entire RDER program. JS J-7 is designated by OUSD R&E to lead and manage the RDER JWC Working Group in order to accomplish the functions above, and to provide data management for the overall RDER effort – function D above. The JS support is integral and embedded. The OUSD R&E narrative describes the entire program – which includes the JS J-7 roles and functions.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<b>Title:</b> Rapid Defense Experimentation Reserve	7.226	9.880	7.710

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 The Joint Staff		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604331J / <i>Rapid Prototyping Program</i>	<b>Project (Number/Name)</b> 001 / : <i>Rapid Defense Experimentation Reserve</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<p><b>Description:</b> Experimentation outcomes will be designed to validate required capabilities enabling the JWC by evaluating and integrating prototyped technologies in operationally relevant, multi-domain environments.</p> <p><b>FY 2024 Plans:</b></p> <ul style="list-style-type: none"> <li>• Continue to align RDER proposals against the Joint Warfighting Concept. This allows leadership to accelerate experimentation while remaining aligned to the concept guiding Joint Force Design and Development across the Department.</li> <li>• Continue to provide RDER experimentation data collection, curation, preservation using JExNet.</li> <li>• Assess RDER experimentation for its impacts on JWC operational problems and required capabilities.</li> <li>• Provide decision makers and analysts decision ready data and analysis to make informed Joint Force Design and Development decisions at speed.</li> </ul> <p><b>FY 2025 Plans:</b></p> <ul style="list-style-type: none"> <li>• Continue to align RDER proposals against the Joint Warfighting Concept. This allows leadership to accelerate experimentation while remaining aligned to the concept guiding Joint Force Design and Development across the Department.</li> <li>• Continue to provide RDER experimentation data collection, curation, preservation using JExNet.</li> <li>• Assess RDER experimentation for its impacts on JWC operational problems and required capabilities.</li> <li>• Provide decision makers and analysts decision ready data and analysis to make informed Joint Force Design and Development decisions at speed.</li> </ul> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Reduced support to experimentation efforts.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	7.226	9.880	7.710

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 The Joint Staff** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604331J / <i>Rapid Prototyping Program</i>	<b>Project (Number/Name)</b> 001 / : <i>Rapid Defense Experimentation Reserve</i>
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<b>Product Development (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
RDER	IA	Joint Experimentation : Pentagon : Joint Experimentation : Pentagon	-	7.226		9.880		7.710		-		7.710	Continuing	Continuing	-
<b>Subtotal</b>			-	7.226		9.880		7.710		-		7.710	Continuing	Continuing	N/A

**Remarks**  
The program transferred from BA 04 0604826J to BA04 PE 0604331J.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	-	7.226	9.880	7.710	-	7.710	Continuing	Continuing	N/A

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 The Joint Staff</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604331J / <i>Rapid Prototyping Program</i>	<b>Project (Number/Name)</b> 001 / : <i>Rapid Defense Experimentation Reserve</i>

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
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

<b>RDER</b>																												
RDER																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 The Joint Staff		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604331J / <i>Rapid Prototyping Program</i>	<b>Project (Number/Name)</b> 001 / : <i>Rapid Defense Experimentation Reserve</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>RDER</i>				
RDER	4	2023	3	2025