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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2025 Air Force **Date:** March 2024

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 6: RDT&amp;E Management Support</i>	<b>R-1 Program Element (Number/Name)</b> PE 1001004F / <i>International Activities</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	-	2.593	3.917	4.590	0.000	4.590	4.705	4.802	4.903	5.000	Continuing	Continuing
664645: <i>International Cooperative Research &amp; Development</i>	-	2.593	3.917	4.590	0.000	4.590	4.705	4.802	4.903	5.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The mission of this program is to establish, sustain, expand, and enhance mutually beneficial international partnerships through the implementation of air, space, and cyber international armament cooperation (IAC) agreements thereby supporting DAF and DoD goals and objectives. These International Agreements (IAs) will: significantly improve US and allied conventional defense capacity and capabilities; accelerate the availability of defense systems; realize solutions to meet capability gaps; acquire, upgrade, sustain, and/or support common or interoperable equipment with our allies; create cooperative acquisition, production, or logistic partnerships; promote mutual and equitable sharing of effort, cost, information, and risk; provide access to remote or operational test sites; leverage economies of scale; and promote interoperability and commonality with our allies.

The DAF is party to more than 650 current air, space, and cyber bilateral and multilateral IAs to solve common US and allied military capability gaps, develop materiel solutions, harmonize requirements, and build interoperability with our international partners. This program element funds the DAF to identify, develop, process, negotiate, conclude, implement, and manage IAs in compliance with statutory provisions, legal authorities, fiscal constraints, technology transfer controls, intellectual property rights, third party transfer provisions, equitability criteria, industrial base factors, political-military interests, and the National Defense Strategy (NDS). Included in this budget are: air, space, and cyber IAC and IA activities; technology assessments; specialized working groups; Air Senior National Representative (ASNR) activities; technology assessments; technical planning for bilateral and multilateral IAs; Engineering and Scientist Exchange Program (ESEP); and Administrative and Professional Exchange Program (APEP).

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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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	2.593	3.917	4.582	0.000	4.582
Current President's Budget	2.593	3.917	4.590	0.000	4.590
Total Adjustments	0.000	0.000	0.008	0.000	0.008
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	0.008	0.000	0.008
<b>C. Accomplishments/Planned Programs (\$ 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>
<b>Title:</b> International Partnership Activities	0.694	0.800	0.890	0.000	0.890
<b>Description:</b> Advocate, develop, and support DAF activities, goals, and objectives to build global partnerships in support of national security objectives and the NDS through IAC agreements. Funds DAF participation in NATO forums to promote harmonization and interoperability. Funds DAF support and participation in OSD bi-lateral IAC forums. Funds technical assessments and discussions that support technology development activities and interoperability. Funds DAF efforts to enhance existing relationships with Australia, Belgium, Canada, Denmark, France, Germany, Israel, Italy, Japan, NATO, Netherlands, New Zealand, Norway, South Korea, Singapore, Spain, Sweden, and UK. Funds DAF efforts to build stronger relationships with the Czech Republic, Estonia, Finland, Hungary, India, Luxembourg, Poland, and Turkey. Funds DAF efforts to establish IAC relationships with Brazil, Chile, Columbia, Peru, South Africa, Taiwan, and other emerging partners IAW the NDS.					
<b>FY 2024 Plans:</b> Advocate, develop, and support DAF goals and objectives to establish, sustain, expand and enhance mutually beneficial partnerships between the US and coalition and strategic partners to meet current and emerging global strategic challenges through optimization of interoperability, integration, and interdependence between coalition forces. Efforts will have an enhanced focus on mutually beneficial partnerships IAW the NDS.					
<b>FY 2025 Base Plans:</b> Increase efforts to advocate, develop, and support of IAC goals and objectives to establish, sustain, expand and enhance mutually beneficial partnerships between the US and coalition and strategic partners to meet current					

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>					
and future global strategic challenges through optimization of interoperability, integration, and interdependence between forces. Efforts will have an enhanced focus on mutually beneficial partnerships IAW the NDS.					
<b>FY 2025 OCO Plans:</b> \$0 are planned for FY 2025 OCO Plan.					
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Funding increase will return the International Partnership effort to full funding ensuring the DAF can strengthen strategically important global partnerships to meet national security objectives.					
<b>Title:</b> International Armaments Cooperation (IAC) Agreement Activities					
<b>Description:</b> Identify, develop, process, negotiate, conclude, and implement RDT&E and acquisition bilateral and multilateral IAC Agreements that meet the goals, objectives, and mission of the DAF and DoD. IAC activities provide the DAF access to: critical geography; remote test ranges; challenged environments; operational environments; threat scenarios; new capabilities; world class R&D facilities; personnel; cost sharing; economies of scale; critical information systems; and launch vehicles. IAC activities will meet warfighter needs and enhance interoperability by cooperating with our partners in the areas of: secure communications; positioning, navigation, and timing; situational awareness; materials and composites; human effectiveness; space domain awareness; robotics; nanomaterial; pilot performance; missile warning; satellite communications; quantum communication; coalition information sharing; biometrics; munitions design; hypersonics; alternative energy; improvised explosive devices defeat; weapons of mass destruction defeat; responsive space; ground and space based radars; sensors; autonomous control; distributed missions; training systems; synthetic aviation fuels; lasers; weapon systems; weapon delivery; unmanned aerial systems; armaments interface; swarming; intelligence, surveillance and reconnaissance; sustainment; gap analysis; simulators; combined logistics; mission planning systems; world-wide flight requirements; electronic warfare; safety; aging aircraft; airlift; tankers; trainers; directed energy; weapon stores; systems acquisition; interoperability; and system development, updates, upgrades, and modifications.					
1.599	2.817	3.200	0.000	3.200	
<b>FY 2024 Plans:</b> Identify, develop, process, negotiate, conclude, implement, and manage, bilateral and multilateral, RDT&E and Acquisition IAs that meet the goals, objectives, and mission of the DAF and DoD in the air, space, and cyber domains. Development and negotiations will continue on IAs not concluded in FY 2023. New air, space and cyber IAs are being pursued IAW OAF and OSD goals and objectives.					
<b>FY 2025 Base Plans:</b>					

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>Increase efforts to identify, develop, process, negotiate, conclude, implement, and manage, bilateral and multilateral, RDT&amp;E and Acquisition IAs that meet the goals, objectives, and mission of the DAF and DoD in the air, space, and cyber domains. Development and negotiations will continue on IAs not concluded in FY 2024. New IAs will be pursued IAW DAF and OSD goals and objectives.</p> <p><b>FY 2025 OCO Plans:</b> \$0 are planned for FY 2025 OCO Plan.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Funding increase will return the IAC Agreements effort to full funding ensuring the DAF can pursue more air, cyber, and space IAs to meet national security objectives.</p>					
<p><b>Title:</b> Engineer and Scientist Exchange Program/Administrative and Professional Exchange Program (ESEP/APEP)</p> <p><b>Description:</b> Oversight and program execution of ESEP and APEP Agreements with partner governments. Military and civilian personnel from DAF Command, Product Centers, Test Centers, and Logistic Centers for 2 year tours at selected allied partner government laboratories and facilities. Partner government military and civilian personnel are placed in DAF RDT&amp;E facilities.</p> <p><b>FY 2024 Plans:</b> Execute and support DAF execution of the ESEP and APEP personnel placed in foreign partner or DAF facilities.</p> <p><b>FY 2025 Base Plans:</b> Continue to execute and support DAF execution of the ESEP and APEP personnel placed in foreign partner or DAF facilities.</p> <p><b>FY 2025 OCO Plans:</b> \$0 are planned for FY 2024 OCO Plan.</p> <p><b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Funding increase will ensuring the DAF can place ESEP/APEP in important foreign facilities to meet national security objectives.</p>	0.300	0.300	0.500	0.000	0.500
<b>Accomplishments/Planned Programs Subtotals</b>	2.593	3.917	4.590	0.000	4.590

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

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 06 1001004F: <i>International Activities</i>	0.000	0.000	-	-	-	-	-	-	-	0.000	0.000

**Remarks**  
There is no other program funding for the activities pursued under 1001004F International Activities.

**E. Acquisition Strategy**

N/A