

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 1001004F / <i>International Activities</i>
---	---

COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	2.420	2.593	3.917	0.000	3.917	4.582	4.697	4.793	4.894	Continuing	Continuing
664645: <i>International Cooperative Research & Development</i>	-	2.420	2.593	3.917	0.000	3.917	4.582	4.697	4.793	4.894	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 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; IA program and project reviews; technology assessments; bilateral and multilateral agreement development; 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.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force				Date: March 2023	
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force</i> / BA 6: <i>RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 1001004F / <i>International Activities</i>			
B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	2.420	2.593	4.472	0.000	4.472
Current President's Budget	2.420	2.593	3.917	0.000	3.917
Total Adjustments	0.000	0.000	-0.555	0.000	-0.555
• 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	-0.555	0.000	-0.555
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: International Partnership Activities	0.621	0.694	0.800	0.000	0.800
Description: 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 strengthen/build IAC 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.					
FY 2023 Plans: Advocate, develop, and support DAF goals and objectives to establish, sustain, expand and enhance mutually beneficial partnerships between the US and coalition 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.					
FY 2024 Base Plans:					

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 1001004F / <i>International Activities</i>
---	---

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
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 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. FY 2024 OCO Plans: \$0 are planned for FY 2024 OCO Plan. FY 2023 to FY 2024 Increase/Decrease Statement: Funding increased due to high expenditure rates in FY 2022, will return Program to normal funding level, ensuring the DAF can increase International Partnership Activity efforts to meet national security objectives.					
Title: International Armaments Cooperation (IAC) Agreement Activities Description: 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. FY 2023 Plans: Identify, develop, process, negotiate, conclude, implement, and manage RDT&E/Acquisition bilateral and multilateral IAs that meet the goals, objectives, and mission of the DAF and DoD in the air, space, and cyber	1.499	1.599	2.817	0.000	2.817

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force			Date: March 2023			
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force</i> / BA 6: <i>RDT&E Management Support</i>		R-1 Program Element (Number/Name) PE 1001004F / <i>International Activities</i>				
C. Accomplishments/Planned Programs (\$ in Millions)						
domains. Development and negotiations will continue on IAs not concluded in FY 2022. New air, space and cyber IAs are being pursued IAW DAF and OSD goals and objectives.						
FY 2024 Base Plans: Increase efforts to identify, develop, process, negotiate, conclude, implement, and manage RDT&E/Acquisition bilateral and multilateral 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 IAs will be pursued IAW DAF and OSD goals and objectives.						
FY 2024 OCO Plans: \$0 are planned for FY 2024 OCO Plan.						
FY 2023 to FY 2024 Increase/Decrease Statement: Funding increased due to above average expenditure rates in FY2022, will return Program to normal funding level, ensuring the DAF can increase IAC Agreement Activities to meet national security objectives.						
Title: Engineer and Scientist Exchange Program/Administrative and Professional Exchange Program (ESEP/APEP)		0.300	0.300	0.300	0.000	0.300
Description: 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&E facilities.						
FY 2023 Plans: Execute and support DAF execution of the ESEP and APEP personnel placed in foreign partner or DAF facilities.						
FY 2024 Base Plans: Continue to execute and support DAF execution of the ESEP and APEP personnel placed in foreign partner or DAF facilities.						
FY 2024 OCO Plans: \$0 are planned for FY 2024 OCO Plan.						
FY 2023 to FY 2024 Increase/Decrease Statement:						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 1001004F / <i>International Activities</i>
---	---

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
N/A					
Accomplishments/Planned Programs Subtotals	2.420	2.593	3.917	0.000	3.917

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDTE 06 1001004F: <i>International Activities</i>	0.000	0.000	0.000	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
 This program element is the only source of DAF funds to identify, develop, process, negotiate, conclude, implement, and manage IAC opportunities to: (a) acquire, develop, upgrade, sustain, and support common or interoperable equipment with our allies; (b) leverage USAF resources through cost sharing and economies of scale with our partners; (c) exploit the best US and allied technologies for equipping coalition forces; and (d) foster interoperability and commonality with our allies. We obtain these benefits only after IAC opportunities are identified, explored, assessed, developed and IAs are developed, negotiated and concluded. This PE provides funds to execute up-front IAC responsibilities, realize cooperative opportunities, assess allied technologies and generate sound, cost-effective cooperative programs between the DAF and our international partners in the areas of air, space and cyberspace. Once IAs are concluded they are transferred to the appropriate technology or system program office and are then funded by the program office.