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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 1001004F I International Activities							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	3.785	3.790	2.315	-	2.315	4.831	4.600	4.064	4.137	Continuing	Continuing
664645: International Cooperative Research & Development	-	3.785	3.790	2.315	-	2.315	4.831	4.600	4.064	4.137	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 USAF 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 operational access; leverage economies of scale; and promote interoperability and commonality with our allies.

The USAF is party to numerous 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 USAF to identify, develop, process, negotiate, implement, manage, and conclude 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, and political-military interests. Included in this program are air, space, and cyber international armaments cooperation; technology assessment; specialized working groups; Air Senior National Representative (ASNR) activities; IAC program and project reviews; bilateral and multilateral staff talks; activities associated with air, space, and cyber IAs; Engineering and Scientist Exchange Program (ESEP); and Administrative and Professional Exchange Program (APEP). These funds are not to be used for civilian salaries or the construction of permanent facilities.

This program is in Budget Activity 6, Management and 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.

The FY2016 funding request was reduced by \$1.541 million to account for the availability of prior execution balances.

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B. Program Change Summary (\$ in Millions)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget		3.785	3.790	3.872	-	3.872
Current President's Budget		3.785	3.790	2.315	-	2.315
Total Adjustments		-	-	-1.557	-	-1.557
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Other Adjustments		-	-	-1.557	-	-1.557
Change Summary Explanation						
The FY 2016 funding request was reduced by \$1.541 million to account for the availability of prior year execution balances.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2014	FY 2015	FY 2016
Title: Engineer and Scientist Exchange Program/Administrative and Professional Exchange Program (ESEP/APEP)				0.300	0.300	0.200
Description: Funds the USAF execution and management oversight of ESEP and APEP programs and personnel. Funds eight to ten field level military and civilian personnel from Air Force Materiel Command (AFMC) Facilities, Product Centers, Test Centers, and Logistic Centers for tours at selected allied partner government laboratories and facilities.						
FY 2014 Accomplishments: Continued USAF execution and management oversight of the ESEP and APEP programs and personnel.						
FY 2015 Plans: Continue USAF execution and management oversight of the ESEP and APEP programs and personnel.						
FY 2016 Plans: Will continue USAF execution and management oversight of the ESEP and APEP programs and personnel.						
Title: International Partnership Activities				1.975	1.905	1.540
Description: Funds USAF management, support, and oversight of international armament cooperation (IAC) goals and objectives to build global partnerships in support of national security objectives. Funds USAF participation in NATO fora to promote harmonization and interoperability. Funds USAF support and participation in OSD bilateral IAC forums. Funds Secretary of the Air Force/International Affairs (SAF/IA) overseas liaison office. Funds technical assessments and discussions that support						

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C. Accomplishments/Planned Programs (\$ in Millions) technology development activities and interoperability. Funds USAF efforts to enhance existing relationships with: Australia, Canada, Denmark, France, Germany, Israel, Italy, Japan, NATO, Netherlands, Norway, South Korea, Singapore, Spain, Sweden, and UK. Funds USAF efforts to strengthen/build IAC relationships with: Czech Republic, Hungary, Poland, India, Finland, and Turkey. Funds USAF efforts to establish IAC relationships with: South Africa, Egypt, Brazil, Chile, and Taiwan.		FY 2014	FY 2015	FY 2016
FY 2014 Accomplishments: Continued USAF management, support, and oversight 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. FY15 efforts will have an enhanced focus on mutually beneficial partnerships within Asia.				
FY 2015 Plans: Continue USAF management, support, and oversight 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. Continuing efforts will have an enhanced focus on mutually beneficial partnerships within Asia.				
FY 2016 Plans: Will continue USAF management, support, and oversight 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. FY16 efforts will have an enhanced focus on mutually beneficial partnerships that support the U.S. and allies to meet operational requirements and increase capabilities.				
Title: International Armaments Cooperation (IAC) Agreement Activities Description: Funds the USAF's ability to identify, develop, process, negotiate, implement, manage, and conclude the increasing number bilateral and multilateral IAC Agreements that meet the goals, objectives, and mission of the USAF and DoD. IAC activities will meet warfighter needs and enhance interoperability by exploring cooperation with our partners in the areas of: materials and composites, human effectiveness, robotics, nanotechnology, coalition information sharing, biometrics, munitions design, hypersonics, alternative energy, improvised explosive devices (IED) defeat, weapons of mass destruction (WMD) defeat, autonomous control, distributed missions, training systems, lasers, weapon systems, remotely piloted aircraft, armaments interface, intelligence, surveillance and reconnaissance (ISR) capabilities, sustainment, gap analysis, simulators, combined logistics, software updates, mission planning systems, world-wide flight requirements, electronic warfare, safety, aging aircraft, airlift, tankers, trainers, system modifications, directed energy, weapon stores, acquisition, development, co-production, interoperability, maintenance, system development, and upgrades.		0.750	0.750	0.300

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
<i>FY 2014 Accomplishments:</i> Continued funding for USAF to identify, develop, process, negotiate, implement, manage, and conclude numerous bilateral and multilateral IAs that meet the goals, objectives, and mission of the USAF and DoD. Negotiations will continue on IAs developed but not concluded during FY13. The estimated number of IAC Agreements currently in development is 115.				
<i>FY 2015 Plans:</i> Continue funding for USAF to identify, develop, process, negotiate, implement, and manage the increasing number of bilateral and multilateral IAs that meet the goals, objectives, and mission of the USAF and DoD. Development and negotiation will continue on IAs not concluded during FY14. New agreements and amendments will be initiated.				
<i>FY 2016 Plans:</i> Will continue funding for USAF to identify, develop, process, negotiate, implement, and manage the increasing number of bilateral and multilateral IAs that meet the goals, objectives, and mission of the USAF and DoD. Development and negotiation will continue on IAs not concluded during FY15. New agreements and amendments will be initiated.				
<i>Title:</i> Air Force Materiel Command (AFMC)		0.150	0.150	0.075
<i>Description:</i> Funds AFMC's ability to support international armaments cooperation (IAC) research, development, test, and evaluation (RDT&E) activities which directly promote interoperability and international collaboration. Funds field level technical assessments and discussions that support technology identification and development activities in support of interoperability.				
<i>FY 2014 Accomplishments:</i> Continued support of AFMC's ability to identify, assess, and develop new and continuing RDT&E activities which support interoperability and relationship building efforts with our international partners.				
<i>FY 2015 Plans:</i> Continue support of AFMC's ability to identify, assess, and develop new and continuing RDT&E activities which support interoperability and relationship building efforts with our international partners.				
<i>FY 2016 Plans:</i> Will continue support of AFMC's ability to identify, assess, and develop new and continuing RDT&E activities which support interoperability and relationship building efforts with our international partners.				
<i>Title:</i> International Space Cooperation		0.190	0.190	0.100
<i>Description:</i> Funds USAF's efforts in the area of space cooperation with our international partners. Space cooperation with our allies enables the USAF access to critical geography for distributed ground systems, and remote test ranges for test and				

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C. Accomplishments/Planned Programs (\$ in Millions) evaluation of space capabilities in electronically challenged environments, joint development and acquisition of space systems, and provides a foundation for long-term, full spectrum operational cooperation.		FY 2014	FY 2015	FY 2016
FY 2014 Accomplishments: Continued funding for USAF to identify, develop, process, negotiate, implement, manage, and conclude an escalating number of bilateral and multilateral international agreements (IAs) that meet the goals, objectives, and mission of the USAF's space guidance. Negotiations will continue on space related IAs developed but not concluded during FY13. The estimated number of space cooperation agreements in development is 14.				
FY 2015 Plans: Continue funding for USAF to identify, develop, process, negotiate, implement, manage and conclude the increasing number of bilateral and multilateral space related IAs that meet the goals, objectives, and mission of the USAF and DoD. Development and negotiation will continue on IAs not concluded during FY14. New agreements and amendments will be initiated.				
FY 2016 Plans: Will continue funding for USAF to identify, develop, process, negotiate, implement, manage and conclude the increasing number of bilateral and multilateral space related IAs that meet the goals, objectives, and mission of the USAF and DoD. Development and negotiation will continue on IAs not concluded during FY15. New agreements and amendments will be initiated.				
Title: Cyberspace Cooperation Description: Funds USAF's ability to establish cooperative relationships with allies in cyberspace missions to ensure interoperability, sharing of information on threats, and developing new capabilities to defeat threats to our critical information systems. Supports integration of air, space, and cyberspace capabilities to create global effects. Cyberspace requires significant research and development efforts and responsiveness to avoid technological surprise.		0.420	0.495	0.100
FY 2014 Accomplishments: Continued USAF efforts to establish cooperative relationships with allies in cyberspace missions initiated in FY13.				
FY 2015 Plans: Continue USAF efforts to establish cooperative relationships with allies in cyberspace missions initiated in FY14.				
FY 2016 Plans: Will continue USAF efforts to establish cooperative relationships with allies in cyberspace missions initiated in FY15.				
Accomplishments/Planned Programs Subtotals		3.785	3.790	2.315

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D. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
E. Acquisition Strategy This program element is the only source of USAF funds to identify, develop, process, negotiate, implement, manage, and conclude international armaments cooperation (IAC) opportunities to: (a) acquire, develop, upgrade, sustain, and support common or interoperable equipment with our allies; (b) leverage USAF resources with our allies through cost sharing and economies of scale; (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 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 USAF and our international partners. Once international agreements (IAs) are concluded they are transferred to the appropriate technology or systems program office and are then funded by the program office.		
F. Performance Metrics Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.		