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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 6: RDT&E Management Support					R-1 ITEM NOMENCLATURE PE 1001004F: International Activities							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	3.798	3.851	3.785	-	3.785	3.838	3.917	3.984	4.056	Continuing	Continuing
664645: International Cooperative Research & Development	-	3.798	3.851	3.785	-	3.785	3.838	3.917	3.984	4.056	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

The mission of this program is to establish, sustain, and expand mutually beneficial international partnerships through the implementation of air, space, and cyber international cooperative research, development, test, evaluation, and acquisition agreements thereby supporting USAF and DoD goals and objectives. These International Agreements (IAs) will significantly improve US and allied conventional defense capabilities by leveraging our Allies' best defense technologies, eliminating costly duplication of research and development (R&D) efforts, accelerating the availability of defense systems, and promoting US and allied interoperability or commonality.

The USAF is party to multiple air, space, and cyber bilateral and multilateral IAs to solve common US and allied military research and development efforts, develop materiel solutions, harmonize coalition requirements and build interoperability with our international partners. This program element funds the USAF to identify, develop, process, negotiate, 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, and political-military interests. Included in this budget are: air, space, and cyber international armaments cooperation (IAC); technology assessment; specialized working groups; Air Senior National Representative (ASNR) activities; IAC program and project reviews; overseas R&D liaison offices; bilateral and multilateral staff talks; support International Trade Shows to promote cooperation and interoperability activities; Engineering and Scientist Exchange Program (ESEP); and Administrative and Professional Exchange Program (APEP).

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. These funds are not to be used for civilian salaries or the construction of permanent facilities.

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B. Program Change Summary (\$ in Millions)		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget		3.798	3.851	3.902	-	3.902
Current President's Budget		3.798	3.851	3.785	-	3.785
Total Adjustments		0.000	0.000	-0.117	-	-0.117
• Congressional General Reductions		-	0.000			
• Congressional Directed Reductions		-	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		-	0.000			
• Congressional Directed Transfers		-	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	-0.117	-	-0.117
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2012	FY 2013	FY 2014
Title: Engineer and Scientist Exchange Program/Administrative and Professional Exchange Program (ESEP/APEP)				0.300	0.300	0.300
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 AFMC Facilities, Product Centers, Test Centers, and Logistic Centers for tours at selected European and Asian government laboratories and facilities.						
FY 2012 Accomplishments: Continued USAF execution and management oversight of the ESEP and APEP programs and personnel.						
FY 2013 Plans: Continue USAF execution and management oversight of the ESEP and APEP programs and personnel.						
FY 2014 Plans: Continue USAF execution and management oversight of the ESEP and APEP programs and personnel.						
Title: International Research and Development Activities				2.251	1.911	1.900
Description: Funds USAF management, support, and oversight of IAC goals and objectives. Funds USAF participation in NATO fora to promote harmonization and interoperability. Funds USAF support and participation in OSD bi-lateral IAC forums. Funds USAF overseas R&D liaison office. Funds technical assessments and discussions that support 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: Brazil, Poland, Chile, Czech Republic, India, South Africa and Turkey.						

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
<i>FY 2012 Accomplishments:</i> Continued USAF management, support, and oversight of IAC goals and objectives. IAC efforts focused on expanding mutually beneficial partnerships between the US and coalition partners.				
<i>FY 2013 Plans:</i> Continue USAF management, support, and oversight of IAC goals and objectives initiated in FY12 to establish, sustain, and expand mutually beneficial partnerships between the US and coalition partners. IAC efforts will have an enhanced focus on mutually beneficial partners with Asia.				
<i>FY 2014 Plans:</i> Continue USAF management, support, and oversight of IAC goals and objectives initiated in FY13 to establish, sustain, and expand mutually beneficial partnerships between the US and coalition partners. IAC efforts will have an enhanced focus on mutually beneficial partners with Asia.				
<i>Title:</i> Armaments Cooperation <i>Description:</i> Funds the USAF's ability to identify, develop, process, negotiate, implement, and manage the increasing number bilateral and multilateral IAs that meet the goals, objectives, and mission of the USAF and DoD. IAC activities will meet warfighter needs and enhance interoperability by exploring cooperation in the areas of: materials and composites, human effectiveness, robotics, nanotechnology, coalition information sharing, biometrics, virtual munitions design, hypersonics, alternative energy, IED defeat, WMD defeat, distributed mission operations, lasers, unmanned air systems, ISR capabilities, sustainment, development, distributed mission training, software updates, CNS/ATM requirements, aging aircraft, airlift, test and evaluation, acquisition, interoperability and system development and upgrades.		0.800	0.750	0.750
<i>FY 2012 Accomplishments:</i> Continued funding for USAF to identify, develop, process, negotiate, implement, and manage the increasing number bilateral and multilateral IAs that meet the goals, objectives, and mission of the USAF and DoD. Continued work on IAs developed, but not implemented, during FY11.				
<i>FY 2013 Plans:</i> Continue funding for USAF to identify, develop, process, negotiate, implement, and manage the increasing number bilateral and multilateral IAs that meet the goals, objectives, and mission of the USAF and DoD. Work will continue on IAs developed, but not implemented, during FY12.				
<i>FY 2014 Plans:</i>				

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
Continue funding for USAF to identify, develop, process, negotiate, implement, and manage the increasing number bilateral and multilateral IAs that meet the goals, objectives, and mission of the USAF and DoD. Work will continue on IAs developed, but not implemented, during FY13.				
Title: Air Force Material Command (AFMC) Description: Funds AFMC's ability to support IAC R&D efforts within the Air Force Research Laboratories (AFRL) and other organizations within AFMC. Funds field level technical assessments and discussions that support technology identification and development activities in support of interoperability. FY 2012 Accomplishments: Continued support of AFMC's ability to identify and develop IAC R&D efforts initiated in FY11. FY 2013 Plans: Continue support of AFMC's ability to identify and develop IAC R&D efforts initiated in FY12. FY 2014 Plans: Continue support of AFMC's ability to identify and develop IAC R&D efforts initiated in FY13.		0.200	0.150	0.150
Title: International Space Cooperation Description: Funds USAF's research, development, and acquisition 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 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 2012 Accomplishments: Continued USAF support of space cooperation research and development activities initiated in FY11. FY 2013 Plans: Continue USAF support of space cooperation research and development activities initiated in FY12. FY 2014 Plans: Continue USAF support of space cooperation research and development activities initiated in FY13.		0.187	0.190	0.190
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		0.060	0.550	0.495

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
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.				
<i>FY 2012 Accomplishments:</i> Continued USAF efforts to establish cooperative relationships with allies in cyberspace missions initiated in FY11.				
<i>FY 2013 Plans:</i> Continue USAF efforts to establish cooperative relationships with allies in cyberspace missions initiated in FY12.				
<i>FY 2014 Plans:</i> Continue USAF efforts to establish cooperative relationships with allies in cyberspace missions initiated in FY13.				
Accomplishments/Planned Programs Subtotals		3.798	3.851	3.785
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, and manage IAC IA opportunities to: (a) 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; and (c) exploit the best US and allied technologies for equipping coalition forces and supporting interoperability. 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 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.				