

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b>	DATE <b>February 1999</b>
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<b>BUDGET ACTIVITY</b> <b>6 - Management and Support</b>	<b>PE NUMBER AND TITLE</b> <b>1001004F International Activities</b>	<b>PROJECT</b> <b>4645</b>
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COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
4645 International Cooperative Research & Development	3,567	3,598	3,750	3,807	3,857	3,896	3,978	4,060	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

**(U) A. Mission Description**

The mission of this program is to gain access to our Allies' best defense technologies, eliminate costly duplication of research and development efforts, accelerate availability of defense systems, and to deploy and sustain common or interoperable USAF and Allied equipment through international cooperative research and development.

The USAF is party to multiple international cooperative agreements to solve common US and Allied military scientific and technological problems and to develop materiel solutions to harmonize coalition requirements. This program funds the Department of the Air Force to support, develop, process, negotiate, implement, and manage these international cooperative agreements and projects in compliance with statutory reporting provisions and exacting legal statutes, fiscal constraints, technology transfer controls, intellectual property rights, third party transfer provisions, quid-pro-quo criteria, industrial base factors, and political-military interests. Included in this budget are domestic and international technology assessment teams; specialized working groups; long-term technology project developments; support for cooperative opportunity assessments; developing, processing, and negotiating international agreements; oversight of International Cooperative Research and Development (ICR&D) projects; overseas R&D liaison and coordination offices; bilateral and multilateral staff talks; and the Engineering and Scientist Exchange Program (ESEP). Funds US participation in the NATO Air Force Armaments Group (NAFAG) and NATO Research and Technology Organization (RTO).

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BUDGET ACTIVITY	PE NUMBER AND TITLE	
<b>6 - Management and Support</b>	<b>1001004F International Activities</b>	
(U) FY 1998	PROJECT <b>4645</b>	
– (U) \$110	<b>NATO C3 Agency (NC3A)</b> - Funded the US R&D Coordination Office and administrative support for the assigned US Engineering and Technical professionals and cooperative research and development activities assigned to the NC3A.	
– (U) \$253	<b>Engineer and Scientist Exchange Program (ESEP)</b> - Funded the Air Force execution and the management oversight of ESEP. Funded approximately nine field level military and civilian scientists from Air Force Research Laboratory, in two year tours at selected European and Asian Government Research Laboratories or other Technical Institutions. ESEP Memoranda of Understanding are in place with 16 countries.	
– (U) \$1,040	<b>International Cooperative Research and Development (ICR&amp;D)</b> - Funded USAF overseas R&D liaison offices. Funded management support and oversight of USAF Foreign Comparative Test Program and NATO Cooperative R&D Program. Funded USAF participation at the NATO Four-power Council, NATO Air Force Armaments Group (NAFAG), and its six subgroups to promote NATO harmonization of requirements, standardization, and new cooperative R&D programs. Funded USAF participation at the US-Japan Systems and Technology Forum, its four sub-groups and the USAF participation in international Continuous Acquisition Lifecycle Support (CALs). Funded expanded technology acquisition contracts and follow-on cooperative opportunities with Russia, Ukraine, and Eastern Europe. Partially funded technical assessments and international agreements negotiation start-up costs associated with promising cooperative R&D programs. Funded preliminary and negotiation costs associated with USAF AWACS NATO cooperative R&D funded programs and support for the NATO AWACS Board of Directors. Funded International Cooperative Opportunities Group (ICOG) efforts to harmonize Four-power requirements and initiate agreements to explore these opportunities.	

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- (U) \$268 <b>Air Force International Program Support Agency (AFIPSA)</b> - Fully funded AFIPSA and USAF to process proposals for International Cooperative R&D Agreements. The following is a list of candidate agreements that were either signed or under development in FY98: <b>Argentina:</b> Seismic and Infrasonic Monitoring Agreement, Environmental Technologies, <b>Australia:</b> Air Breathing Propulsion Technology, Project Refractive Turbulence, Navigation Warfare, Aging Aircraft Life Prediction/Extension, High Altitude Endurance Unmanned Aerial Vehicle Cooperative Development and Technical Demonstration; <b>Bolivia:</b> Seismic Monitoring Agreement; <b>Botswana:</b> Seismic Monitoring Agreement; <b>Brazil:</b> Ionospheric Experiments, Engineer and Scientist Exchange Program (ESEP), External Stores Flight Testing Methods and Techniques, Seismic and Infrasonic Monitoring Agreement; <b>Central African Republic:</b> Seismic Monitoring Agreement; <b>Chile:</b> Ionospheric Research Project, Infrasonic Monitoring Agreement; <b>China:</b> Seismic Monitoring Agreement; <b>Cote D'Ivoire:</b> Seismic Monitoring Agreement; <b>Egypt:</b> Seismic Monitoring Agreement, TRDP; <b>Ethiopia:</b> Seismic Monitoring Agreement; <b>Four Powers:</b> Air Refueling Technologies, Precision Airdrop Improvements; <b>France:</b> Effects of the Ionosphere on Communications and Surveillance Systems, Cooperative Development and Evaluation of Ducted Rockets, Advanced Oscillators, Long Range Missile Guidance Inertial Sensors, Advanced Resonators and Oscillators, Advanced Combustor Chamber Concepts Program, Integrated Tactical Aircraft Control Program; <b>Germany:</b> Observations and Modeling for Space Weather, Cooperative Space Measurements, Hard Target Defeat Technologies, ESEP, Infrasonic Monitoring Agreement; <b>Israel:</b> Nonlinear Frequency Conversion Materials, Thulium-Holmium Energy Transfer Modeling; <b>Italy:</b> Technology Research and Development Projects; <b>Japan:</b> ESEP, Advanced Hybrid Tactical Propulsion, Advanced Crew Ejection Seat (ACES-II), Robotics; <b>Kazakstan:</b> Seismic Monitoring Agreement; <b>Korea:</b> Seismic Monitoring Agreement, Modeling and Simulation of Multichip Avionics; <b>Morocco:</b> Seismic Monitoring Agreement; <b>NATO/Multilateral:</b> Exchange of Research & Development Information, Subminiature Data Acquisition and Telemetry Systems, Joint Airborne Navigation and Attack Technology Demonstration Program, Joint Strike Fighter Requirement Validation Cooperation, NATO AEW&C Mid-term Modernization, NATO Joint Stars Cooperative Acquisition Program, Environmental Effects of Component & Equipment Reliability, Air Command/ Control/Communication and Intelligence Capabilities, Trilateral Technology R&D Program, Multiple Warhead System, Effects on Global Positioning Systems, Agent Defeat Weapon; <b>Namibia:</b> Infrasonic Monitoring Agreement; <b>The Netherlands:</b> Anthropometric Accommodation in Crew Systems; <b>New Zealand:</b> Infrasonic Monitoring Agreement; <b>Norway:</b> ESEP; <b>Oman:</b> Seismic Monitoring Agreement; <b>Pakistan:</b> Seismic Monitoring Agreement; <b>Paraguay:</b> Seismic Monitoring Agreement; <b>Poland:</b> ESEP; <b>South Africa:</b> Seismic Monitoring Agreement; <b>Sweden:</b> Automatic Ground Collision Avoidance for Fighter Aircraft, Administrative and Professional Exchange Program; <b>Turkey:</b> Seismic Monitoring Agreement; <b>Turkmenistan:</b> Seismic Monitoring Agreement; <b>United Kingdom:</b> Air Worthiness of Aging Aircraft, Non-Acoustic Technologies, Aero Engine Altitude Testing, Development and Production of a Directional Infrared Countermeasures System, Weather Impact Decision Aids, Cosmic Radiation Environment and Activation Monitor, Air Battle Management, Metal Matrix Composites for Aerospace Applications, Joint Development and Evaluation of Electro-Optic Protection Measures, Active Control Technology and Aircraft Flying Qualities for Military Aircraft, Flight Simulation of Combat Aircraft Sensors, Visual Scenes, and Motion, Covert All Weather Landing Guidance Technology.		
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<b>6 - Management and Support</b>	<b>1001004F International Activities</b>	<b>4645</b>
- (U) \$500	<p><b>NATO Research &amp; Technology Organization (RTO)</b> - Funded US National Delegates participation in the NATO R&amp;T Board and USAF, industry, and academia participation in the RTO aerospace related panel activity. The FY98 program of work consisted of studies, technical exchanges, and reports in the following areas: (1) Presentation of the Probable Changes in Information Management and Technology, (2) Hypersonic Experimental and Computational Capabilities, (3) Aeromedical Support issues in Contingency Operations, (4) Advanced Aerodynamic Measurement Technology, (5) Virtual Manufacturing, (6) Numerical Unsteady Aerodynamics and Aeroelastic Simulation, (7) Thermal Barrier Coatings, (8) Advances in Soft Computing Technologies Application in Mission Systems, (9) Effect of Rain, Icing and Deicing Systems on Wing Performance, (10) Turbulence in Compressible Flows, (11) Flight Test Instrumentation, (12) Current Concepts and New Developments in Impact and Escape System Dummy Specifications and Instrumentation, (13) Structural Optimization. Continues Partnership for Peace initiative through the R&amp;T outreach program incorporating new scientists and engineers from Central Europe.</p>	
- (U) \$1,396	<p><b>AFMC</b> - Fully funded Air Force Materiel Command activities to identify, assess, develop and report International Cooperative Agreements as required by statute for new and existing projects. Supported Materiel Command activities for the USAF Foreign Comparative Test, and NATO Cooperative R&amp;D Programs. Funded USAF participation in panel meetings of the Technical Cooperation Program, Air Standardization Coordinating Committee, Standard NATO Agreements Working Groups, and other NATO forums. Funded periodic bilateral meetings to define new areas of possible cooperation, and exploratory visits to France, Germany, Israel, United Kingdom, Canada, and other countries on new technology exchange projects. Funded the project engineers at centers and Air Force Research Laboratory (AFRL) in identifying, creating and staffing new international cooperative agreements. Funded MAJCOM staff to support and promote international research and development cooperation throughout AFMC. Funded support for the Air force Technology Booth at International Forums. Funds small contracts in support of technology initiatives. This program funded the support, management and documentation of these ICR&amp;D efforts.</p>	
- (U) \$3,567	Total	

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BUDGET ACTIVITY <b>6 - Management and Support</b>	PE NUMBER AND TITLE <b>1001004F International Activities</b> PROJECT <b>4645</b>	
<p>(U) <u>FY 1999</u></p> <ul style="list-style-type: none"> <li>- (U) \$110</li> <li>- (U) \$253</li> <li>- (U) \$1,256</li> </ul>	<p><b>NATO C3 Agency (NC3A)</b> - Funds the US R&amp;D Coordination Office and administrative support for the assigned US Engineering and Technical professionals and cooperative Research and Development activities assigned to the NATO C3 Agency.</p> <p><b>ESEP</b> - Funds the Air Force execution and the management oversight of ESEP. Funds approximately eight field level military and civilian scientists from Air Force Research Laboratory, Product Centers, Test Centers and Air Logistics Centers in two year tours at selected European and Asian Government Research Laboratories or other Technical Institutions. ESEP Memoranda of Understanding expected to be in place with 18 countries.</p> <p><b>ICR&amp;D</b> - Funds USAF overseas R&amp;D liaison offices. Funds management support and oversight of USAF Foreign Comparative Test Program and NATO Cooperative R&amp;D Program. Funds USAF participation at the NATO Four-power Council, NAFAG, and its subgroups to promote NATO harmonization of requirements, standardization, and new cooperative R&amp;D programs. Funds USAF participation at the US-Japan Systems and Technology Forum, its four sub-groups and USAF participation in international CALS. Funds expanded technology acquisition contracts and follow-on cooperative opportunities with Russia, Ukraine, and Eastern Europe. Partially funds technical assessments and international agreements negotiation start-up costs associated with promising cooperative R&amp;D programs. Funds USAF portion of the DoD international Agreements Management System. Funds preliminary and negotiation costs associated with USAF NATO cooperative R&amp;D funded programs and support for the NATO AWACS Board of Directors. Funds International Cooperative Opportunities Group (ICOG) efforts to harmonize Four-power requirements and initiate agreements to explore these opportunities.</p>	
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<b>6 - Management and Support</b>	<b>1001004F International Activities</b>	<b>4645</b>
<p>– (U) \$269</p> <p>– (U) \$250</p>	<p><b>AFIPSA</b> - Fully funds AFIPSA and USAF to process proposals for International Cooperative R&amp;D Agreements. Work will continue on agreements developed during FY98 but not signed and work will be initiated on the following and other new agreements: <b>Argentina:</b> Seismic and Infrasonic Monitoring; <b>Australia:</b> Air Breathing Propulsion Technology; Data Fusion for over the Horizon Radar, Detection and Tracking of Targets in Clutter, Structural Integrity of Aging Aircraft, Air Command, Control, Communications and Intelligence (C3I) Capabilities, Virtual Air Commander, Refractive Turbulence; <b>Bolivia:</b> Seismic Monitoring; <b>Brazil:</b> Materials, Structures and Non-Destructive Evaluation, Seismic Monitoring, ESEP; <b>Central African Republic:</b> Seismic Monitoring; <b>Chile:</b> Ionospheric Research, Infrasonic Monitoring; <b>Canada:</b> Space Based Surveillance and Space Systems, Imaging Spectrometer, TRDP; <b>Czech Republic:</b> ESEP; <b>Egypt:</b> TRDP, Nuclear Test Seismic Monitoring Array; <b>Ethiopia:</b> Seismic Monitoring; <b>Four Powers:</b> Distributed Simulation Technologies, Unmanned Air Vehicles for Offensive Missions, Aging Aircraft, Air Refueling Technologies; France: Effects of Ionosphere on Communications and Surveillance; <b>Germany:</b> Cooperative Space Measurements, Observations and Modeling for Space Weather, Non-Linear Optics, Head Mounted Display; <b>Israel:</b> Aircraft and Battle Damage Repair; <b>Italy:</b> ESEP, Real-Time Information in the Cockpit, TRDP; <b>Japan:</b> ESEP; <b>Korea:</b> , Seismic Monitoring, Three Dimensional (3D) Integrated Circuits, Modeling and Simulation of C3I Systems; <b>LTTP:</b> Coalition Command Control and Communications Demonstration Environment; <b>NATO/Multilateral:</b> C-130 Integrated Data Environment, Joint Airborne Navigation and Attack (JOANNA) II, Laser Radiation and Material Interaction; <b>Netherlands:</b> Vacuum and Solid State Electronics and high Voltage/Current Power Supply; <b>Norway:</b> ESEP, Toxic Effects of Jet Fuels; <b>Paraguay:</b> Seismic Monitoring; <b>Poland:</b> ESEP; <b>Sweden:</b> ESEP, Command and Control; <b>Turkey:</b> Seismic Monitoring; <b>South Africa:</b> Seismic Monitoring; <b>United Kingdom:</b> Effects of Ionization of Hydrocarbon-Air combustion, Effects of Meteor Metals on Communication and Guidance, PIOS Phase II/III, Mass and Performance Estimation Methodology, Turbine Engine Technology, Wind Tunnel Testing, Weather Impact Design Aids, Flight Simulation for Combat Research and Training, Multiple Event Hard Target Fuse.</p> <p><b>NATO Research and Technology Organization (RTO)</b> - Funds USAF participation in the NATO Research and Technology Board and RTO panel activity. The FY99 program of work will consist of studies, technical exchanges, and reports in the following areas: (1) Computational Unsteady Aerodynamic Codes, (2) Multi-facility Wind Tunnel Testing for CFD Validation, (3) Deterministic Spectral Gust Methods, (4) Screening Protocol for Aeromedical Medications, (5) Human Consequences of Superagility, (6) Aeromedical Lessons from Acceleration and Positive Pressure Breathing Research, (7) Aircraft Weapon Compatibility, (8) Flight Control law Development, (9) Ice Accretion and Simulation Evaluation test, (10) Nonlinear Stability and Transition of Swept-Wing Boundary layers, (11) Sensor data Fusion and Integration of Human Element, (12) Integrated Mission Systems Concepts, (13) Gas Turbine Engine Combustion, Emissions and Alternative Fuels, (14) Aging and Surveillance of Solid Gun Propellants, (15) Frequency Assignment, Sparing and Conservation. Continue Partnership for Peace initiative through the R&amp;T outreach program with scientists and engineers from the Former Soviet Union and Central Europe.</p>	
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<ul style="list-style-type: none"> <li>- (U) \$1,425</li> <li>- (U) \$35</li> <li>- (U) \$3,598</li> </ul>	<p><b>AFMC</b> - Fully funds Air Force Materiel Command activities to identify, assess, develop, and report International Cooperative Agreements as required by statute for new and existing projects. Supports Materiel Command activities for the USAF Foreign Comparative Test, and NATO Cooperative R&amp;D Programs. Funds USAF participation in panel meetings of The Technical Cooperation Program, Air Standardization Coordinating Committee, NATO Working Groups, and other NATO forums. Funds periodic bilateral/multilateral meetings to define new areas of possible cooperation and exploratory visits to France, Germany, Israel, United Kingdom, Canada, and other countries on new technology exchange projects. Funds the project engineers at centers and AFRL in identifying, creating and staffing new international cooperative agreements. Funds MAJCOM staff to support and promote international research and development cooperation throughout AFMC. Funds support for the Air Force Technology Booth at International Forums. Funds small contracts in support of technology initiatives. This program will, in addition, fund the support, management and documentation of these ICR&amp;D efforts.</p> <p>Identified as source for SBIR</p> <p>Total</p>	
<u>(U) FY 2000</u>		
<ul style="list-style-type: none"> <li>- (U) \$281</li> </ul>	<p><b>ESEP</b> - Funds the Air Force execution and the management oversight of ESEP. Funds approximately ten field level military and civilian scientists from Air Force Research Laboratory, Product Centers, Test Centers and Air Logistics Centers in two year tours at selected European and Asian Government Research Laboratories or other Technical Institutions. ESEP Memoranda of Understanding expected to be in place with 20 countries.</p>	
<ul style="list-style-type: none"> <li>- (U) \$1,450</li> </ul>	<p><b>ICR&amp;D</b> - Funds USAF overseas R&amp;D liaison offices. Funds management support and oversight of USAF Foreign Comparative Test Program and NATO Cooperative R&amp;D Program. Funds USAF participation at the NATO Four-power Council, NAFAG, and its subgroups to promote NATO harmonization of requirements, standardization, and new cooperative R&amp;D programs. Funds USAF participation at the US-Japan Systems and Technology Forum, its four sub-groups and USAF participation in international CALS. Funds expanded technology acquisition contracts and follow-on cooperative opportunities with Russia, Ukraine, and Eastern Europe. Partially funds technical assessments and international agreements negotiation start-up costs associated with promising cooperative R&amp;D programs. Funds continued development/ upgrades to the DoD International Agreements Management System. Funds preliminary and negotiation costs associated with USAF NATO cooperative R&amp;D funded programs and support for the NATO AWACS Board of Directors. Funds International Cooperative Opportunities Group (ICOG) efforts to harmonize Four-power requirements and initiate agreements to explore these opportunities.</p>	
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<b>6 - Management and Support</b>	<b>1001004F International Activities</b>	<b>4645</b>
- (U) \$344	<p><b>AFIPSA</b> - Fully funds AFIPSA and USAF for processing the rapidly increasing number of proposals for International Cooperative R&amp;D. Work will continue on agreements developed, but not signed, during FY99 and work will be initiated on the following areas of interest and others resulting from prior year technology assessments: <b>Asia:</b> Unmanned Aerial Vehicles, Early Warning Systems, Theater Missile Defense, Satellites, Command, Control, Communication, Computer, Information and Intelligence, Effects on Global Positioning Systems; <b>Europe:</b> Distributed Simulation Technology, Unmanned Aerial Vehicles, Aging Aircraft, Programmable Integrated Ordinance Suite, Agent Defeat Weapon, Joint Targeting Tool, Satellites, Space, Environmental Issues; <b>Middle East:</b> Intelligence, Sensors, Monitoring of Chemical/Biological Warfare; <b>Central and South America:</b> Monitoring of Chemical/Biological Warfare, Satellites, Space, Environmental Issues.</p>	
- (U) \$225	<p><b>NATO Research and Technology Organization (RTO)</b> - Funds USAF participation in the NATO Research and Technology Board and RTO panel activity. The FY00 program of work will consist of studies, technical exchanges, and reports in the following areas: (1) Application of Unmanned Air Vehicles, (2) System Concepts for Targets and Camouflage and Decoys, (3) High Power Microwaves, (4) Electronic Warfare Warning Systems, (5) Flight Test Measurement Techniques, (6) Electromagnetic Compatibility, (7) Hypersonic Propulsion, (8) Wind Tunnel Technology, (9) Screening for Aero Medical Medications, (10) Human Factors in Virtual Reality Applications. Continues Partnership for Peace initiative through the R&amp;T outreach program with scientists and engineers from the former Soviet Union and Central Europe.</p>	
- (U) \$1,450	<p><b>AFMC</b> - Fully funds Air Force Materiel Command activities to identify, assess, develop, and report International Cooperative Agreements as required by statute for new and existing projects. Supports Materiel Command activities for the USAF Foreign Comparative Test, and NATO Cooperative R&amp;D Programs. Funds USAF participation in panel meetings of The Technical Cooperation Program, Air Standardization Coordinating Committee, NATO Working Groups, and other NATO forums. Funds periodic bilateral/multilateral meetings to define new areas of possible cooperation and exploratory visits to France, Germany, Israel, United Kingdom, Canada, and other countries on new technology exchange projects. Funds the project engineers at centers and AFRL in identifying, creating and staffing new international cooperative agreements. Funds MAJCOM staff to support and promote international research and development cooperation throughout AFMC. Funds support for the Air Force Technology Booth at International Forums. Funds small contracts in support of technology initiatives. This program will, in addition, fund the support, management and documentation of these ICR&amp;D efforts.</p>	
- (U) \$3,750	Total	
(U) <u>FY 2001</u>		
- (U) \$290	<p><b>ESEP</b> - Funds the Air Force execution and the management oversight of ESEP. Funds approximately ten field level military and civilian scientists from Air Force Research Laboratory, Product Centers, Test Centers and Air Logistics Centers in two year tours at selected European and Asian Government Research Laboratories or other Technical Institutions. ESEP Memoranda of Understanding are expected to be in place with 20 countries.</p>	

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- (U) \$1,482	<p><b>ICR&amp;D</b> - Funds USAF overseas R&amp;D liaison offices. Funds management support and oversight of USAF Foreign Comparative Test Program and NATO Cooperative R&amp;D Program. Funds USAF participation at the NATO Four-power Council, NAFAG, and its subgroups to promote NATO harmonization of requirements, standardization, and new cooperative R&amp;D programs. Funds USAF participation at the US-Japan Systems and Technology Forum, its four sub-groups and USAF participation in international CALS. Funds expanded technology acquisition contracts and follow-on cooperative opportunities with Russia, Ukraine, and Eastern Europe. Partially funds technical assessments and international agreements negotiation start-up costs associated with promising cooperative R&amp;D programs. Funds continued development/ upgrades to the DoD International Agreements Management System. Funds preliminary and negotiation costs associated with USAF NATO cooperative R&amp;D funded programs and support for the NATO AWACS Board of Directors. Funds International Cooperative Opportunities Group (ICOG) efforts to harmonize Four-power requirements and initiate agreements to explore these opportunities.</p>	
- (U) \$360	<p><b>AFIPSA</b> - Fully funds AFIPSA and USAF to continue work on developing, processing, and negotiating the increasing number of cooperative programs by field activities. This will include completing agreements started in FY 00 and initiating new cooperation efforts resulting from prior year technology assessments.</p>	
- (U) \$200	<p><b>NATO Research and Technology Organization (RTO)</b> - Funds USAF participation in the NATO Research and Technology Board and RTO panel activity. The FY01 program of work will consist of studies, technical exchanges, and reports in the following areas: (1) Operational and Technical Studies and Analysis, (2) Modeling and Simulation, (3) Advanced System Concepts, Integration and Engineering Techniques Across the Spectrum of Platforms and Operating Environments, (4) Affordable Electronics, (5) Active and Passive Sensors, (6) Information Warfare Systems, (7) Communication and Networks, (8) Improved Performance, Affordability, and Safety of Vehicle, Platform, Propulsion, and Power Systems, (9) Optimize Performance, Health, Well Being and Safety of the Human in Operational Environments with consideration of Affordability. Continues Partnership for Peace initiative through the R&amp;T outreach program with scientists and engineers from the former Soviet Union and Central Europe.</p>	
- (U) \$1,475	<p><b>AFMC</b> - Fully funds Air Force Materiel Command activities to identify, assess, develop, and report International Cooperative Agreements as required by statute for new and existing projects. Supports Materiel Command activities for the USAF Foreign Comparative Test, and NATO Cooperative R&amp;D Programs. Funds USAF participation in panel meetings of The Technical Cooperation Program, Air Standardization Coordinating Committee, NATO Working Groups, and other NATO forums. Funds periodic bilateral/multilateral meetings to define new areas of possible cooperation and exploratory visits to France, Germany, Israel, United Kingdom, Canada, and other countries on new technology exchange projects. Funds the project engineers at centers and AFRL in identifying, creating and staffing new international cooperative agreements. Funds MAJCOM staff to support and promote international research and development cooperation throughout AFMC. Funds support for the Air Force Technology Booth at International Forums. Funds small contracts in support of technology initiatives. This program will, in addition, fund the support, management and documentation of these ICR&amp;D efforts.</p>	
- (U) \$3,807	<p>Total</p>	
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<b>(U) B. <u>Budget Activity Justification:</u></b>					
This program is in Budget Activity 6, Management and Support, because it provides for general Research & Development Management support for all aspects of International Research & Development in the USAF.					
<b>(U) C. <u>Program Change Summary (\$ in Thousands)</u></b>					
	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>
(U) Previous President's Budget FY 1999 PB	3,591	3,752	3,818	3,880	
(U) Appropriated Value	3,715	3,752			
(U) Adjustments to Appropriated Value					
a. Congressional Reductions	-121	-154			
b. SBIR	-3				
c. Omnibus or Other Above Threshold Reprogram	-24				
d. Below Threshold Reprogramming					
(U) Adjustments to Budget Years Since FY 1999 PB			-68	-73	
(U) Current Budget Submit/FY2000 PB	3,567	3,598	3,750	3,807	
FY99: \$35 has been identified as source for SBIR.					
(U) Significant Program Changes:					
(U) This program provides for USAF management oversight of the NATO Cooperative R&D funded by DoD (PE 603790D) and USAF (PE 603790F) and DoD funded Foreign Comparative Test (FCT) (PE 0605130D) programs. It also provides international agreement support for 6.1 through 6.3 programs for the Air Force Research Laboratory and for 6.4 through 6.5 programs for USAF Product and Logistics Centers.					
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<p>(U) D. <u>Acquisition Strategy:</u></p> <p>This program element is the only source of USAF funds to identify and initiate opportunities for international armaments cooperation to (a) deploy 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. We obtain these benefits only after international cooperative opportunities are identified, explored, developed, assessed and after the international agreements are negotiated and concluded. This PE provides funds to execute up-front armaments cooperation responsibilities, rationalize cooperative opportunities, assess allied technologies, and generate sound, cost-effective cooperative programs between the USAF and our international partners. Once these initiatives and programs are started as international efforts they are transferred to the appropriate technology or systems program office and are funded in their own program elements.</p>		
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	<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
(U)																
-NATO C3 Agency Program Review				*				X								
-NATO Research & Technology Board	*		*		X		X		X		X		X		X	
-Aerospace Applications Studies Committee	*	*	*													
-Bilateral Technology R&D Projects MOUs	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X
-Cooperative R&D Projects	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X
-Foreign Comparative Testing Prioritization Board		*				X				X				X		
-NATO Cooperative R&D Prioritization Board				*			X				X				X	
-R&D Loans of Defense Equipment	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X
-Systems & Technology Forum (JA)	*		*		X		X		X		X		X		X	
-Other Bilateral forums (CA, BZ, IS, SW, FR)	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X
-Data/Information Exchange Annexes	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X
-Engineer and Scientist Exchanges	*			*		X		X		X		X		X		X
-NATO Air Force Armaments Group	*		*		X		X		X		X		X		X	
-Four-Power Air Senior National Representatives	*		*		X		X		X		X		X		X	
-Four-Power Long-Term Technology Working Group		*		*		X		X		X		X		X		X

\* = Completed event  
X = Planned event