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<b>Exhibit R-2, RDT&amp;E BUDGET ITEM JUSTIFICATION</b>									<b>DATE</b> February 1999	
<b>APPROPRIATION/BUDGET ACTIVITY</b>						<b>R-1 ITEM NOMENCLATURE</b>				
<b>RDT&amp;E DEFENSE WIDE/BUDGET ACTIVITY 7</b>						Defense Airborne Reconnaissance Program (DARP) PE 0305209D8Z				

<b>COST (IN MILLIONS)</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>Cost to Complete</b>	<b>Total Cost</b>
<b>Total PE Cost</b>	7.101	*	*	*	*	*	*	*	*	*
<b>Total Project Cost/No. Subtotal Cost DARP Integration &amp; Support/P815</b>	7.101	*	*	*	*	*	*	*	*	*
<b>Quantity of RDT&amp;E Articles</b>										

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the Integration & Support funds for FY 00-05 were transferred to OASD C3I (PE 0902198D).

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

**Brief Description of Element:** This project funded Defense Airborne Reconnaissance Office (DARO) functions required to carry out management oversight responsibilities specified in DoD Directive 5134.11 (5 April 1995). It included DARO civilian pay costs for assigned civil service employees, Systems Engineering and Technical Assistance (SETA) for development, integration, and support of Defense Airborne Reconnaissance Program (DARP) activities. It included DARO Administration, MIS and Security Support. As part of this project, DARO:

- established and maintained the DoD Integrated Airborne Reconnaissance Architecture to guide the development, demonstration, and acquisition of improved airborne reconnaissance capabilities; established and enforced commonality and interoperability standards; conducted trade-off analyses of Joint Military Department and Defense-wide manned and unmanned aerial vehicles (UAVs), sensors, data links, data relays, and associated processing systems to ensure future operational systems satisfy validated warfighter requirements; and served as focal point for coordinating policies, standards, and architectures with all other OSD organizations.
- supported the planning and execution of capability demonstrations and operational exercises to evaluate airborne reconnaissance capabilities with respect to evolving Unified Combatant Commander requirements.

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<b>RDT&amp;E DEFENSE WIDE/BUDGET ACTIVITY 7</b>		

- coordinated with the intelligence community on military intelligence needs, intelligence requirements analyses and priorities, resource planning and programming, exploitation management, and intelligence data dissemination; provides USD(A&T) advice and supporting studies and analyses directed by USD(A&T).
- provided planning and resource guidance activities to support Military Departments and Defense Agencies in the development of DARP inputs to the DoD Planning, Programming and Budgeting process, and those activities necessary to develop and support the presentation and justification of DARP budget requests to the Congress.

This program is categorized as Budget Activity 7 because it provides for the development of technologies and capabilities in support of Operational System Development.

**Programs Plans and Accomplishments: (\$ in millions)**

**FY 1998 Accomplishments: (\$7.101)**

- Continued to assess and refine the Department's integrated airborne reconnaissance architecture (\$2.403)
- Developed plans in conjunction with the program offices, services and users to transfer UAV capabilities to users (\$0.734)
- Completed special studies to determine the programmatic, operational and budgetary impacts of changes to UAV requirements (\$0.669)
- Continued assessments of design issues for high data rate communications, complete assessment of 100 Megapixel equivalent Infrared Framing cameras (\$0.619)
- Maintained DARP financial oversight; coordinate DARP budget justifications with executing agents, provide special studies and reports as necessary to support DARSC, EDRB, and other Department and Congressional direction (\$1.354)
- Assessed the impact of operational, technological and industrial requirements and changes on manned reconnaissance capabilities (\$0.728)
- Oversaw Advanced Development initiatives for Global Broadcast Systems, High Band Prototype Demonstrations, JSAF standards development and implementation requirements (\$0.594)

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<b>RDT&amp;E DEFENSE WIDE/BUDGET ACTIVITY 7</b>	Defense Airborne Reconnaissance Program (DARP) PE 0305209D8Z	

**\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the Integration & Support funds for FY00-05 were transferred to OASD C3I (PE 0902198D).**

**Acquisition Strategy:** The DARP Integration and Support line funds architecture, oversight, and standardization across all areas of the DARP including manned and unmanned, systems, sensors, infrastructure, and technology development. It consists of government civilian personnel salaries, SETA support, operations and maintenance of government facilities and equipment, security and travel support. The initial SETA contract was competitively awarded in September 1995 for a five-year period of performance. Contract taskings are issued on a delivery order basis as required to meet requirements. The DARO Director maintains stringent restrictions on the utilization of SETA contractors.

**B. Program Change Summary**

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost*</u>
Previous President's Budget	7.2	*	*	*	*
Net Change	<u>(.1)</u>				
President's Budget request	7.1	*	*	*	*

\* Per the FY 1999 Appropriations Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the Integration & Support funds for FY 00-05 were transferred to OASD C3I (PE 0902198D).

**Change Summary Explanation:**

- Funding: The change in funding is a result of internal realignments within the DARP.
- Schedule: N/A
- Technical: N/A

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**C. Other Program Funding Summary Cost**

N/A

**D. Schedule Profile**

Fiscal Year actual and planned events by quarter

	<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
<b>Contract Milestones</b>																
Award SETA contract subtasks					X											
<b>Architecture and Integration Milestones</b>																
Baseline DARP Systems Architecture																
Developed																
Airborne Reconnaissance Information																
Technical Architecture (ARITA) – Ver					X											
1.0 Published																
DARP Objective Architecture Options																
Completed									X							
1st DARP Systems Architecture																
Document Published																
DARP Operational Architecture																
Compiled/Published									X							

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<b>Exhibit R-3, RDT&amp;E PROGRAM ELEMENT/PROJECT COST BREAKDOWN</b>		<b>DATE</b>
<b>APPROPRIATION/BUDGET ACTIVITY</b>	<b>R-1 ITEM NOMENCLATURE</b>	<b>September 1998</b>
<b>RDT&amp;E, DEFENSE-WIDE/BUDGET ACTIVITY 7</b>	<b>Defense Airborne Reconnaissance Program (DARP) PE 0305209D8Z/P815</b>	

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Exhibit R-3 Cost Analysis (page 1)										DATE February 1999		
APPROPRIATION/BUDGET ACTIVITY RDT&E, DEFENSE-WIDE/BUDGET ACTIVITY 7					PROGRAM ELEMENT PE 0305209D8Z					PROJECT NAME AND NUMBER Defense Airborne Reconnaissance Program (DARP) P815		
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY Cost	1999 Cost*	1999 Award Date	2000 Cost	2000 Award Date	2001 Cost	2001 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development												
Ancillary Hardware Development												
Systems Engineering												
Licenses												
Tooling												
GFE												
Award Fees												
Subtotal Product Development												
Remarks												
Development Support												
Software Development												
Training Development												
Integrated Logistics Support												
Configuration Management												
Technical Data												
GFE												
Subtotal Support												
Remarks												

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Exhibit R-3 Cost Analysis (page 2)										DATE February 1999		
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT						PROJECT NAME AND NUMBER		
RDT&E, DEFENSE-WIDE/BUDGET ACTIVITY 7				PE 0305209D8Z						Defense Airborne Reconnaissance Program (DARP) P815		
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY Cost	1999 Cost*	1999 Award Date	2000 Cost *	2000 Award Date	2001 Cost *	2001 Award Date	Cost to Complete *	Total Cost *	Target Value of Contract
Development Test & Evaluation												
Operational Test & Evaluation												
Tooling												
GFE												
Subtotal T&E												
Remarks												
Contractor Engineering Support												
Government Engineering Support												
Program Management Support			7.101			*		*		*	*	
Program Management Personnel						*		*		*	*	
Travel						*		*		*	*	
Labor (Research Personnel)												
Overhead						*		*		*	*	
Subtotal Management			7.101			*		*		*	*	
Remarks												
Total Cost			7.101			*		*		*	*	
Remarks												
* Per the FY 1999 Appropriation Act, the funding for FY 99 was transferred to the Services/Defense Agencies in various PEs; per the Program Decision Memorandum (PDM), the I&S funds for FY 00-05 were transferred to OASD(C3I) (PE 0902198D).												