

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)	DATE February 1999
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BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program
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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
Total Program Element (PE) Cost	21847	26628	51644	61033	57237	50551	23977	22303	Continuing	Continuing
D028 Guardrail Common Sensor/Aerial Common Sensor	0	0	5643	7672	11413	8928	13977	7303	Continuing	Continuing
D179 CH-47 Product Improvement	0	0	0	0	507	0	0	0	0	507
D430 Improved Cargo Helicopter	20847	26628	28342	35819	6629	98	0	0	0	119363
D504 UH-60 Door Gun	0	0	0	0	0	0	10000	15000	0	0
D508 Apache 2nd Generation Forward Looking Infrared (FLIR)	0	0	17659	17542	38688	41525	0	0	0	115414
D510 Firehawk (UH-60)	1000	0	0	0	0	0	0	0	0	1000

A. Mission Description and Budget Item Justification: This PE provides for development of the Improved Cargo Helicopter (ICH) which extends the useful life of the CH-47D Cargo Helicopter as well as provides the means to conduct government test and evaluation of a Reliability, Maintainability and Survivability –Operations Support Cost Reduction (RMS-OSCR) funded Low Maintenance Rotor Head (LMRH) .

B. Program Change Summary	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (FY 1999 PB)	21567	26681	8325	2589
Appropriated Value	22609			
Adjustments to Appropriated Value				
a. Congressional General Reductions	-1042	-53		
b. SBIR / STTR	-541			
c. Omnibus or Other Above Threshold Reductions	-179			
d. Below Threshold Reprogramming	+1000			
e. Rescissions				
Adjustments to Budget Years Since FY 1999 PB			+43319	+58444
Current Budget Submit (FY 2000 / 2001 PB)	20847	26628	51644	61033

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)		DATE February 1999
BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program	
<p>Change Summary Explanation: FY2000/2001 – Funds increased to support Improved Cargo Helicopter (+20900) and the development of the Apache Second Generation Forward Looking Infrared (FLIR) (+17700).</p>		

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE February 1999			
BUDGET ACTIVITY 7 - Operational System Development				PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program					PROJECT D028		
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
D028	Guardrail Common Sensor/Aerial Common Sensor	0	0	5643	7672	11413	8928	13977	7303	Continuing	Continuing

A. Mission Description and Budget Item Justification: The Aerial Common Sensor/GUARDRAIL VII (ACS/GRVII) is an airborne intelligence collection system required to provide critical support to US-based early entry, forward deployed forces, and support the Army's intelligence seamless architecture. ACS will satisfy the Army's critical need for a worldwide, self-deployable, airborne reconnaissance, intelligence, surveillance, and target acquisition (RISTA) capability that can immediately begin operations when arriving in theater. The ACS/GRVII will merge the current Airborne Reconnaissance Low (ARL) and Guardrail Common Sensor (GRCS) into a single airborne system capable of providing a rapid response information dominance capability to Land Component Commanders required in the early 21st Century. ACS will be composed of a family of modular sensors mounted on an airborne platform that is capable of operating independently or remotely via SATCOM or line-of-sight datalinks from a ground processor. The sensors will be interoperable with the open C4ISR architecture and support all combat and combat support functions through the emerging DOD "global infosphere". The primary mission will be standoff Signals Intelligence (SIGINT) collection, with a secondary mission of overflight Imagery Collection (IMINT). ACS is primarily targeted against threat maneuver forces, logistic areas, rocket and artillery forces, air defense artillery, command control communications and intelligence nodes (C3I); and tactical fixed -wing, rotary wing and unmanned aerial vehicles. ACS will provide support to the operational commander and supports the mission areas covered by Tactical Intelligence and related Activities (TIARA), Land Warfare, Air Warfare, Naval Warfare, Amphibious Strike and Anti-Surface Warfare and Tactical Command and Control.

This project is unclassified and is a cooperative effort with the Joint Airborne SIGINT Program Office (JASPO) who are developing the Low Band (LBSS) and High Band (HBSS) Subsystems which will be integrated into ACS. The incorporation of the JASPO subsystems will ensure interoperability with the other services SIGINT platforms. The National Security Agency's Defense Cryptologic Program provides funding to support enhanced SIGINT capabilities.

The FY00/FY01 funding supports efforts to identify an airborne platform which best supports the multi-mission role of ACS and begins non-SIGINT Prime Mission Equipment (PME) development and integration efforts.

FY 1998 Accomplishments: Project not funded in FY 1998

FY 1999 Planned Program: Project not funded in FY 1999

FY 2000 Planned Program:

- 5643 Initiate contract(s) for ACS development, e.g. System design, modeling and simulation.

Total 5643

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								DATE February 1999				
BUDGET ACTIVITY 7 - Operational System Development					PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program			PROJECT D028				
FY 2001 Planned Program: <ul style="list-style-type: none"> • 7672 Continue System development, e.g. design, modeling and simulation. Total 7672												
B. Other Program Funding Summary			<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To Complete	Total Cost
Defense Cryptologic Program (DCP)					13725	13130	16694	18635	19678	17476		99338
Joint Airborne SIGINT program Office (JASPO)			6000	5000	4500	1500						17000
Guardrail/ACS (APA; A02005)									14981	66146	Cont.	Cont.
C. Acquisition Strategy: The Aerial Common Sensor development and aircraft integration contract will be a competitive cost plus award fee contract. The contract will include provisions for integration analysis and/or integration of non-SIGINT suites such as Moving Target Indicator (MTI)/Synthetic Aperture Radar (SAR), Electro Optic/Infrared (EO/IR), etc. The contractor will be required to support the program through a milestone III approval of the aircraft and sensor suites. The SIGINT payload for ACS will be comprised of the HBSS and LBSS systems being procured by the JASPO under separate action with additional enhancements being funded under the ACS DCP program.												
D. Schedule Profile			<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Milestone Decision						4Q						
Award development contract							1Q					
Conduct DT/OT											1Q	
Milestone III											3Q	
Award production contract											3Q	

UNCLASSIFIED

ARMY RDT&E COST ANALYSIS (R-3)										DATE February 1999		
BUDGET ACTIVITY 7 - Operational System Development					PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program					PROJECT D028		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 1999 Cost	FY 1999 Award Date	FY 2000 Cost	FY 2000 Award Date	FY 2001 Cost	FY 2001 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a. ACS modeling, simulation & design	C-CPAF	TBD	0	0		5223	1Q	6887	1Q	Cont'd	12110	
Subtotal Product Development:						5223		6887			12110	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 1999 Cost	FY 1999 Award Date	FY 2000 Cost	FY 2000 Award Date	FY 2001 Cost	FY 2001 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a. Technical engineering and support	TDB	TBD	0	0		0		0		Cont'd		
Subtotal Support Costs:												
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 1999 Cost	FY 1999 Award Date	FY 2000 Cost	FY 2000 Award Date	FY 2001 Cost	FY 2001 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a. DT/OT	MIPR	EPG – Ft. Huachuca	0	0		0		0		1650	1650	
b. DT/OT	MIPR	Other	0	0		0		0		1000	1000	
Subtotal Test and Evaluation:										2650	2650	
Remark: Test Location and type of government furnished test equipment and operators will have to be negotiated with contractor.												
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 1999 Cost	FY 1999 Award Date	FY 2000 Cost	FY 2000 Award Date	FY 2001 Cost	FY 2001 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a. Gov't Engineering & Logistics	MIPR	CECOM, Ft. Monmouth	0	0		110	1Q	235	1Q	Cont'd	345	
b. In-House	Direct		0	0		240	1Q	415	1Q	Cont'd	655	
c. Contractor Engineering and support	C-FP	TBD, Ft. Monmouth, NJ	0	0		70	1Q	135	1Q	Cont'd	205	
Subtotal Management Services:						420		785			1205	

ARMY RDT&E COST ANALYSIS (R-3)

DATE February 1999

BUDGET ACTIVITY
7 - Operational System Development

PE NUMBER AND TITLE
0203744A Aircraft Modifications/Product
Improvement Program

PROJECT
D028

	Total PYs Cost	FY 1999 Cost	FY 2000 Cost	FY 2001 Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Total Cost:		0	5643	7672	2650	15965	

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 7 - Operational System Development				PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program				PROJECT D430		
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
D430 Improved Cargo Helicopter	20847	26628	28342	35819	6629	98	0	0	0	119363
<p>A. <u>Mission Description and Budget Item Justification:</u> The Improved Cargo Helicopter (ICH) is a program to extend useful life of the CH-47D Cargo helicopter. This funding will assure heavy lift capability into the 21st century. This program awarded a contract for Engineering Manufacturing Development (EMD) which includes decreasing operation and support costs through vibration reduction/airframe stiffening, incorporating a new electronics/architecture system for compatibility with the digital battlefield and structural modifications as necessary to extend the life of the airframe. This program will be the basis for establishing remanufacture, modernization, and upgrade program to meet the readiness needs of the future for heavy lift capability. The ICH Program will include testing of the two engineering development models plus component testing for Live Fire.</p> <p>FY 1998 Accomplishments:</p> <ul style="list-style-type: none"> • 18090 Awarded Engineering Manufacture Development (EMD) • 2127 Continued In-house and program management administration • 630 Continued Government Test and Evaluation <p>Total 20847</p> <p>FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • 23763 Continue Engineering Manufacture Development (EMD) • 1335 Continue In-house and program management administration • 1530 Continue Government Test & Evaluation <p>Total 26628</p> <p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 21653 Continue Engineering Manufacture Development (EMD) • 1417 Continue In-house and program management administration • 5272 Continue Government Test & Evaluation <p>Total 28342</p>										
Project D430			Page 7 of 15 Pages				Exhibit R-2A (PE 0203744A)			

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)	DATE February 1999
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BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program	PROJECT D430
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FY 2001 Planned Program:

- 30076 Continue engineering Manufacture Development (EMD)
 - 1800 Continue In House and program management administration
 - 3943 Continue Government Test & Evaluation
- Total 35819

B. Other Program Funding Summary	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To Compl	Total Cost
APA, SSN AA0254, CH-47 ICH	0	0	0	82900	158400	208100	304400	301300	1917500	2972600

C. Acquisition Strategy: The ICH will sustain the aging fleet and bridge the gap until the development of a follow-on aircraft. This will be achieved in a cost effective manner as the ICH program will be based on a three-pronged remanufacture approach which will include rebuilding the airframe, improving mission capability, and reducing vibrations to provide for longer term O&S cost reductions.

D. Schedule Profile	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
EMD Contract & Funding Increments			3rd Qtr	2ndQtr	1 st Qtr	1 st Qtr	1 st Qtr			
Critical Design Review (CDR)				4 th Qtr						
LRIP I Award							2 nd Qtr			
Initial Oper Test & Eval (IOTE)							4 th Qtr			

UNCLASSIFIED

ARMY RDT&E COST ANALYSIS (R-3)										DATE February 1999		
BUDGET ACTIVITY 7 - Operational System Development					PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program					PROJECT D430		
I. Product Development												
	Contract Method & Type	Performing Activity & Location	Total PYs Cost	<u>FY 1999</u> Cost	<u>FY 1999</u> Award Date	<u>FY 2000</u> Cost	<u>FY 2000</u> Award Date	<u>FY 2001</u> Cost	<u>FY 2001</u> Award Date	Cost To Complete	Total Cost	Target Value of Contract
a.	Boeing	Boeing, PA	12192								12192	12192
b.	Boeing Defense/Space Grp	Boeing, PA	13900	21100	Feb 99	20700	Oct 99	28735	Dec 00	2356	86791	86791
c.	GFE	Redstone Arsenal, AL	3015								3015	3015
Subtotal Product Development:			29107	21100		20700		28735		2356	101998	101998
II. Support Costs												
	Contract Method & Type	Performing Activity & Location	Total PYs Cost	<u>FY 1999</u> Cost	<u>FY 1999</u> Award Date	<u>FY 2000</u> Cost	<u>FY 2000</u> Award Date	<u>FY 2001</u> Cost	<u>FY 2001</u> Award Date	Cost To Complete	Total Cost	Target Value of Contract
a.	Matrix Support	Various government	7383	1145	Qtrly	955	Qtrly	1625	Qtrly	873	11981	
b.	Surv/Vulner Test Spt	TBD	9	190	Qtrly	462	Qtrly	175	Qtrly		836	
Subtotal Support Costs:			7392	1335		1417		1800		873	12817	
III. Test and Evaluation												
	Contract Method & Type	Performing Activity & Location	Total PYs Cost	<u>FY 1999</u> Cost	<u>FY 1999</u> Award Date	<u>FY 2000</u> Cost	<u>FY 2000</u> Award Date	<u>FY 2001</u> Cost	<u>FY 2001</u> Award Date	Cost To Complete	Total Cost	Target Value of Contract
a.	Developmental Test (DT)	Various government	89	60	Qtrly	1227	Qtrly	1738	Qtrly	1359	4473	
b.	Operational Test (OT)	Various government	0	45	Qtrly	745	Qtrly	880	Qtrly	1637	3307	
c.	Pre-EMD DT	Ft. Rucker	2218								2218	
d.	Live Fire Test & Eval	Various government	430	1425	Qtrly	3300	Qtrly	1325	Qtrly	1375	7855	
Subtotal Test and Evaluation:			2737	1530		5272		3943		4371	17853	
IV. Management Services												
	Contract Method & Type	Performing Activity & Location	Total PYs Cost	<u>FY 1999</u> Cost	<u>FY 1999</u> Award Date	<u>FY 2000</u> Cost	<u>FY 2000</u> Award Date	<u>FY 2001</u> Cost	<u>FY 2001</u> Award Date	Cost To Complete	Total Cost	Target Value of Contract
a.	CAMBER	Huntsville, AL	2668								2668	2668
b.	Westar	Huntsville, AL	217								217	217
c.	Data, Inc.		70								70	70
d.	Arinc		302								302	302

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)	DATE February 1999
--	------------------------------

BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program	PROJECT D430
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IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 1999 Cost	FY 1999 Award Date	FY 2000 Cost	FY 2000 Award Date	FY 2001 Cost	FY 2001 Award Date	Cost To Complete	Total Cost	Target Value of Contract
e. Assur Tech Corp	SS/FP	St. Paul	121								121	121
f. ICH Support		TBD		2663		953		1341			4957	4957
Subtotal Management Services:			3378	2663		953		1341			8335	8335

Project Total Cost:			42614	26628		28342		35819		7600	141003	
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UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 7 - Operational System Development					PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program				PROJECT D508	
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
D508 Apache 2nd Generation Forward Looking Infrared (FLIR)	0	0	17659	17542	38688	41525	0	0	0	115414
<p>A. Mission Description and Budget Item Justification: Apache Second Generation Forward Looking Infrared (FLIR) is a U.S. Army program to develop, test, integrate and produce a Second Generation FLIR (SGF) for the Army's entire fleet of AH-64A and AH-64D aircraft. The FLIR system allows for pilotage of the aircraft and the engagement of targets during night operations and adverse weather conditions. The Apache SGF program will leverage technology already invested in electronics, sensors and optics to provide the best sensor available at the lowest cost. The SGF enhancements over the present Apache FLIR include increased range for detection, recognition and identification of targets; higher resolution for a sharper, clearer image; improved sensitivity, especially in adverse weather; increased capability to identify friend versus foe during hostilities; and increased reliability. These enhancements will improve the overall warfighting capability of the Apache aircraft by: 1) providing improved clarity and ability to fly and navigate using FLIR imagery; 2) significantly enhancing the pilot's visibility and safety while improving target designation and acquisition; and 3) improving aircraft survivability with increased standoff ranges; 4) reducing the risk of fratricide and 5) reducing the operation and support costs of the system.</p> <p>FY 1998 Accomplishments: Project not funded in FY 1998</p> <p>FY 1999 Planned Program: Project not funded in FY 1999</p> <p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 16776 Award Engineering & Manufacturing Development (EMD) Contract for 2nd Generation FLIR • 883 In-house & Program Management Administration/Complete Source Selection Evaluation Board (SSEB) for EMD Program <p>Total 17659</p> <p>FY 2001 Planned Program:</p> <ul style="list-style-type: none"> • 16665 Continue EMD Contract for 2nd Generation FLIR Development/First Prototype Delivery • 877 Continue in-house and Program Management Administration <p>Total 17542</p>										
B. Other Program Funding Summary										
	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To <u>Compl</u>	Total <u>Cost</u>
APA, BA 2, AA6606, AA6607, AA0978, AA6608, Modification of Aircraft	555077	686541	813737	785728	935233	981131	837925	530210	Cont	Cont
Project D508			Page 11 of 15 Pages				Exhibit R-2A (PE 0203744A)			

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)	DATE February 1999
--	------------------------------

BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program	PROJECT D508
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C. Acquisition Strategy: A cost plus incentive fee (CPIF) type contract is anticipated through a competitive award process. Six prototypes will be designed, developed and tested. The program will culminate with qualification flight testing on the Apache Attack Helicopter. The design will be compatible with both the A and D model Apache helicopters.

D. Schedule Profile	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Issue RFP				4Qtr						
Receive Proposals				4Qtr						
SSEB				4Qtr						
Contract Award					4Qtr					
PDR/CDR					4Qtr	4Qtr				
Prototype Deliveries						4Qtr	4Qtr	4Qtr		
Qual Testing							4Qtr			
Air Worthiness Release								4Qtr		
Flight Testing								4Qtr		

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)										DATE February 1999		
BUDGET ACTIVITY 7 - Operational System Development					PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program					PROJECT D508		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 1999 Cost	FY 1999 Award Date	FY 2000 Cost	FY 2000 Award Date	FY 2001 Cost	FY 2001 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a. 2 nd Gen FLIR Develop	C, CPIF	TBD				16776	Jan 00	16665	Oct 00	59765	93206	93206
Subtotal Product Development:						16776		16665		59765	93206	93206
II. Support Costs: None												
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 1999 Cost	FY 1999 Award Date	FY 2000 Cost	FY 2000 Award Date	FY 2001 Cost	FY 2001 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a. Qual, Air Worth, Demo	C, CPIF	TBD								16437	16437	16437
Subtotal Test and Evaluation:										16437	16437	16437
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 1999 Cost	FY 1999 Award Date	FY 2000 Cost	FY 2000 Award Date	FY 2001 Cost	FY 2001 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a. In-House & SSEB		PEO AVN				883	Oct 99	877	Oct 00	4011	5771	5771
Subtotal Management Services:						883		877		4011	5771	5771
Project Total Cost:						17659		17542		80213	115414	115414

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)	DATE February 1999
--	------------------------------

BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program	PROJECT D510
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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
D510 Firehawk (UH-60)	1000	0	0	0	0	0	0	0	0	1000

A. Mission Description and Budget Item Justification: The Fire Hawk Kit is a congressional interest program to develop a fire fighting capability for the Army National Guard's UH-60 Blackhawk Helicopters. The development is being conducted under a Cooperative Research and Development Agreement (CRDA) pursuant to the Federal Technology Transfer Act of 1986, Public Law No. 99-502, 20 October 1986, as amended, between the U.S. Army Aviation Research, Development and Engineering Center and Sikorsky Aircraft Company (SAC).

FY 1998 Accomplishments Program:

- 100 System Integration and Test
 - 145 Developed Interface Control Documents
 - 125 Developmental Testing
 - 75 Air Worthiness Release (AWR)
 - 25 Safety Confirmation
 - 175 Operational Test
 - 90 User Evaluation
 - 265 Developed Technical Data Package (TDP)
- Total 1000

FY 1999 Planned Program: Project not funded in FY 1999

FY 2000 Planned Program: Project not funded in FY 2000

FY 2001 Planned Program: Project not funded in FY 2001

B. Other Program Funding Summary	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	To Comp	Total Cost
APA Budget									
AA0480 UH-60 MODS	2000								2000

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)	DATE February 1999
--	------------------------------

BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0203744A Aircraft Modifications/Product Improvement Program	PROJECT D510
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C. Acquisition Strategy: The Army Acquisition Strategy, as a result of the CRDA, is to use the design information and technical data for a full and open competition procurement of Firehawk kits. However, procurement will occur only after the Army National Guard has provided a valid requirement to OSD.

D. Schedule Profile	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>
System Integration And Test		2 Qtr							
Develop Interface Control Documents		2 Qtr							
Developmental Testing		2 Qtr							
Air Worthiness Release (AWR)		3 Qtr							
Safety Confirmation		3 Qtr							
Operational Test		4 Qtr							
User Evaluation		4 Qtr							
Develop Technical Data Package (TDP)		4 Qtr							

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