

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)	DATE February 2000
---	------------------------------

BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604741A Air and Missile Defense Command, Control, Intelligence - Engineering Development
--	--

COST <i>(In Thousands)</i>	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	13033	7943	16462	19152	19245	18653	18910	Continuing	Continuing
D126 FAAD Command and Control Engineering Development	7351	7454	8164	9124	9522	9566	9842	Continuing	Continuing
D146 Air & Missile Defense Planning & Control System (AMC PCS)	744	489	8298	10028	9723	9087	9068	Continuing	Continuing
D169 Air & Missile Defense Planning & Control System - WRAP	4938	0	0	0	0	0	0	0	4938

A. Mission Description and Budget Item Justification: The Forward Area Air Defense Command, Control, and Intelligence (FAAD C2I) System (Project D126) provides critical, automated threat aircraft, cruise missile, and UAV Battle Management/Command, Control, Communication, and Intelligence (BM/C4I) information to support the planning and decision process at various levels of command. The mission is to collect, digitally process, and disseminate real time target cueing and tracking information, common tactical air picture, and C2I information to all Short Range Air Defense (SHORAD) weapons [Avenger, Bradley Linebacker, Manportable Air Defense System (MANPADS), joint and combined arms]. Unique FAAD C2I software will provide this mission capability by integrating FAAD C2 engagement operations software with the Joint Tactical Information and Data System (JTIDS), Single Channel Ground and Airborne Radio System (SINCGARS), Enhanced Position Location Reporting Systems (EPLRS), Global Positioning System (GPS), Airborne Warning and Control System (AWACS), Sentinel, and the Army Battle Command System (ABCS) architecture. Provides joint C2 interoperability and horizontal integration with PATRIOT, THAAD, MEADS, and SHORAD weapon systems. FAAD C2I is the first system to digitize for the First Digitized Division/First Digitized Corps (FDD/FDC).

The Air and Missile Defense Planning and Control System (AMDPCS) (Project D146) is the backbone of air defense which provides BM/C4I capability to Air Defense Artillery Brigades, the Army Air and Missile Defense Command (AAMDC) corps and EAC headquarters, and joint force command and control elements, such as the Battlefield Coordination Detachment (BCD). The AMDPCS provides ADA Bdes with a fire control system via the Air Defense System Integrator (ADSI) for monitoring and controlling engagement operations by subordinate battalions. The AMDPCS provides a common air and missile defense staff planning and battlespace situational awareness tool via the Air and Missile Defense Workstation (AMDWS) to achieve the common tactical and operational air picture. The AMDWS, like ADSI, will be fielded to air and missile defense units at all echelons of command, battery through theater. The AMDPCS provides the ABCS architecture and the Army AMD Task Forces (AMDTF) with BM/C4I capability and the Army component of interoperable Joint Theater Air and Missile Defense (JTAMD) BM/C4I. The AMDPCS enables Active, Passive and Attack Operations coordination with the joint forces. AMDPCS (Project D169) was initiated with WRAP funding in FY 99.

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)	DATE February 2000
---	------------------------------

BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604741A Air and Missile Defense Command, Control, Intelligence - Engineering Development
---	---

B. Program Change Summary	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (<u>FY 2000/2001</u> PB)	11458	7995	8942
Appropriated Value	11606	7995	
Adjustments to Appropriated Value			
a. Congressional General Reductions	-148		
b. SBIR / STTR	-279		
c. Omnibus or Other Above Threshold Reductions	+1900	-28	
d. Below Threshold Reprogramming			
e. Rescissions	-46	-24	
Adjustments to Budget Years Since <u>FY 2000/2001</u> PB			+7520
Current Budget Submit (FY 2001 PB)	13033	7943	16462

Change Summary Explanation: Funding - FY99 Program increased for Y2K conversion.

FY01 increase for the following efforts:

- 1) Continued AMDWS S/W development to enable AD BOS participation in FDD/FDC.
- 2) Army AD participation in Joint Operations by developing ADMSW & AMDPCS to be compatible with TBMCS.
- 3) Continued to fund Joint Interoperable HW/SW development in order to fight with Air Force and Navy.

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							DATE February 2000			
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604741A Air and Missile Defense Command, Control, Intelligence - Engineering Development				PROJECT D126		
COST (In Thousands)		FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D126	FAAD Command and Control Engineering Development	7351	7454	8164	9124	9522	9566	9842	Continuing	Continuing
<p>A. <u>Mission Description and Budget Item Justification:</u> Project D126 – FAAD Command and Control Engineering Development: The Forward Area Air Defense Command, Control, and Intelligence (FAAD C2I) System Project D126) provides critical, automated threat aircraft, cruise missile, and UAV Battle Management/Command, Control, Communication, and Intelligence (BM/C4I) information to support the planning and decision process at various levels of command. The mission is to collect, digitally process, and disseminate real time target cueing and tracking information, common tactical air picture, and C2I information to all Short Range Air Defense (SHORAD) weapons [Avenger, Bradley Linebacker, Manportable Air Defense System (MANPADS), joint and combined arms]. Unique FAAD C2I software will provide this mission capability by integrating FAAD C2 engagement operations software with the Joint Tactical Information and Data System (JTIDS), Single Channel Ground and Airborne Radio System (SINCGARS), Enhanced Position Location Reporting Systems (EPLRS), Global Positioning System (GPS), Airborne Warning and Control System (AWACS), Sentinel, and the Army Battle Command System (ABCS) architecture. Provides joint C2 interoperability and horizontal integration with PATRIOT, THAAD, MEADS, and SHORAD weapon systems. FAAD C2I is the first system to digitize for the First Digitized Division/First Digitized Corps (FDD/FDC). Digitized Corps (FDD/FDC).</p> <p>FY 1999 Accomplishments:</p> <ul style="list-style-type: none"> • 100 Operational Assessment • 3651 Continued Block III software development • 3500 Continued digitization integration with all Active Army Divisions • 100 Completed Critical Design Review /System Certification Test <p>Total 7351</p> <p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 4154 Continue Block III software development for FDD • 3027 Complete digitization integration with all Active Army Divisions; conduct digitization integration with Reserve Component units • 100 System Certification Test for FDD • 173 Small Business Innovative Research/Small Business Technology Transfer Programs (SBIR/STTR) <p>Total 7454</p>										
Project D126		Page 3 of 11 Pages				Exhibit R-2A (PE 0604741A)				

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)	DATE February 2000
--	------------------------------

BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604741A Air and Missile Defense Command, Control, Intelligence - Engineering Development	PROJECT D126
--	--	-------------------------------

FY 2001 Planned Program:

- 7064 Continue Block III software development for FDC
 - 1000 Continue digitization integration with the Reserve Component units
 - 100 Complete Critical Design Review for FDC
- Total 8164

B. Other Program Funding Summary	<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>To Compl</u>	<u>Total Cost</u>
RDTE, 64820.DE10 – Sentinel GBS	6708	5089	8429	3639	0	0	0	Cont	Cont
OPA 2, WK5053 – Sentinel GBS	57475	48257	24188	28497	31882	34672	34635	Cont	Cont
OPA 2, WK5057 – Sentinel MODS	0	0	0	5502	11312	16954	16936	Cont	Cont
OPA 2, AD5050 – FAAD C2	25462	10546	17868	12330	12268	26025	25996	Cont	Cont
OPA 2, AD5090 – Mods FAAD C2	0	7769	0	0	0	0	0	Cont	Cont
OPA 2, AD5070 – Air and Missile Defense	0	2925	4859	6294	6382	6260	6294	Cont	Cont
Spares (BS9702) – FAAD C2	748	387	586	463	584	2124	2133	Cont	Cont
Spares (BS9732) – Sentinel GBS	5102	4334	1922	3192	678	3853	2806	Cont	Cont

C. Acquisition Strategy: The acquisition strategy relies heavily on non-development items (NDI) and evolutionary software development to rapidly meet the demands of air defense battle management/command, control, communications, computers, and intelligence (BM/C4I) requirements, and to keep pace with automated information technologies. The concept of evolutionary software development is being followed and will be accomplished in Blocks I, II, III and IV. Blocks I and II have been completed. FAAD C2 Block III is currently being developed for both the Army's Active and Reserve components.

D. Schedule Profile	<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>
Critical Design Review	2Q		3Q			2Q	
System Certification Test	2Q	4Q			3Q		
First Unit Equipped – Objective System					4Q		
Contract Award, BLK IV				4Q			

UNCLASSIFIED

ARMY RDT&E COST ANALYSIS (R-3)

DATE **February 2000**

BUDGET ACTIVITY
5 - Engineering and Manufacturing Development

PE NUMBER AND TITLE
**0604741A Air and Missile Defense Command,
Control, Intelligence - Engineering Development**

PROJECT
D126

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. TRW, BLK I	C/CPIF	Dominquez Hills, CA	176461							0	176461	
b. TRW, BLK II	SS/CPIF	Dominquez Hills, CA	32206							0	32206	
c. TRW, BLK III	SS/CPIF	Dominquez Hills, CA	47848	5624	Mar 99	5061	Mar 00	5869	Mar 01	Cont	64402	
d. TRW	SS/T&M	Dominquez Hills, CA	6093			224	Dec 99	250	Dec 00	Cont	6567	
e. Matrix (RDEC)	MIPR	Huntsville, AL	5427	532		620		685		Cont	7264	
f. Sentinel GBS	MIPR	Huntsville, AL	3791							0	3791	
g. CHS	MIPR	Ft. Monmouth, NJ	1000	200		200		200		0	1600	
h. JTIDS	MIPR	Ft. Monmouth, NJ	6000							Cont	6000	
i. In-house/Govt Spt	Various	Various	11367	895		900		1010		Cont	14172	
j. Inflation Withhold						26					26	
Subtotal Product Development:			290193	7251		7031		8014		Cont	312489	

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. SETA	Various	Huntsville, AL	10879	0		150	Feb 00	150	Feb 01	Cont	Cont	
b. SBIR/STTR			444			173					617	
Subtotal Support Costs:			11323			323		150		Cont	Cont	

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. ADATD, Ft. Bliss			9916	100		100				Cont	10116	
b. OPTEC			2000	0		0				0	2000	
Subtotal Test and Evaluation:			11916	100		100				Cont	12116	

IV. Management Services: Not applicable

Project Total Cost:			313432	7351		7454		8164		Cont	Cont	
---------------------	--	--	--------	------	--	------	--	------	--	------	------	--

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							DATE February 2000															
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604741A Air and Missile Defense Command, Control, Intelligence - Engineering Development				PROJECT D146														
COST (In Thousands)				FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost										
D146 Air & Missile Defense Planning & Control System (AMC PCS)				744	489	8298	10028	9723	9087	9068	Continuing	Continuing										
<p>A. <u>Mission Description and Budget Item Justification:</u> Project D146 – Air and Missile Defense Planning and Control System: The Air and Missile Defense Planning and Control System (AMDPCS) is the backbone of air defense which provides BM/C4I capability to Air Defense Artillery Brigades, the Army Air and Missile Defense Command (AAMDC) corps and EAC headquarters, and joint force command and control elements, such as the Battlefield Coordination Detachment (BCD). The AMDPCS provides ADA Bdes with a fire control system via the Air Defense System Integrator (ADSI) for monitoring and controlling engagement operations by subordinate battalions. The AMDPCS provides a common air and missile defense staff planning and battlespace situational awareness tool via the Air and Missile Defense Workstation (AMDWS) to achieve the common tactical and operational air picture. The AMDWS, like ADSI, will be fielded to air and missile defense units at all echelons of command, battery through theater. The AMDPCS provides the ABCS architecture and the Army AMD Task Forces (AMDTF) with BM/C4I capability and the Army component of interoperable Joint Theater Air and Missile Defense (JTAMD) BM/C4I. The AMDPCS enables Active, Passive and Attack Operations coordination with the joint forces. AMDPCS (Project D169) was initiated with WRAP funding in FY 99.</p> <p>FY 1999 Accomplishments:</p> <table border="0"> <tr> <td></td> <td align="right">744</td> <td>Y2K Compliance Efforts</td> </tr> <tr> <td>Total</td> <td align="right">744</td> <td></td> </tr> </table> <p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 383 Continue Software Development • 93 Conduct Preliminary Design Review/System Certification Test • 13 Small Business Innovative Research/Small Business Technology Transfer Programs (SBIR/STTR) <table border="0"> <tr> <td>Total</td> <td align="right">489</td> </tr> </table> <p>FY 2001 Planned Program:</p> <ul style="list-style-type: none"> • 4949 Continue AMDWS Software Development • 1300 Continue ADSI Software Development • 1049 System Certification Test/Interoperability Operational Assessment • 1000 Develop AMDPCS sheltered subsystem configuration <table border="0"> <tr> <td>Total</td> <td align="right">8298</td> </tr> </table>														744	Y2K Compliance Efforts	Total	744		Total	489	Total	8298
	744	Y2K Compliance Efforts																				
Total	744																					
Total	489																					
Total	8298																					
Project D146				Page 6 of 11 Pages				Exhibit R-2A (PE 0604741A)														

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)	DATE February 2000
--	------------------------------

BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604741A Air and Missile Defense Command, Control, Intelligence - Engineering Development	PROJECT D146
---	---	------------------------

B. <u>Other Program Funding Summary</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>
OPA, AD 5070 – AMDPCS	0	2925	4859	6294	6382	6260	6294		

C. Acquisition Strategy: The acquisition strategy relies on non-development items (NDI) and evolutionary software development to rapidly meets the demands of air defense battle management command, control, communications, computers, and intelligence (BM/C4I) requirements and to keep pace with automated information technologies. The concept of evolutionary software development will be accomplished in a series of Block releases and upgrades. AMDPCS is being developed for both the Army's Active and Reserve components.

D. <u>Schedule Profile</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>
Y2K Certification – AMDWS/ADSI	3Q						
AMDWS Software Release		2Q	1Q/3Q				
AMDWS Software Certification		2Q	1Q				
ADSI Software Release	3Q	3Q					
ADSI Software Certification	3Q	3Q					

UNCLASSIFIED

ARMY RDT&E COST ANALYSIS (R-3)

DATE **February 2000**

BUDGET ACTIVITY
5 - Engineering and Manufacturing Development

PE NUMBER AND TITLE
**0604741A Air and Missile Defense Command,
Control, Intelligence - Engineering Development**

PROJECT
D146

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. TRW	SS/CPIF	Huntsville, AL		744	Aug 99	331	Mar 00	5249	Mar 01		Cont	
b. USN/APC	MIPR	Austin, TX						1800			1800	
c. In-House/Govt Support						50		549			599	
d. Inflation Withhold						2					2	
Subtotal Product Development:				744		383		7598			Cont	

Remark:

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. SETA	Various	Various						500	Dec 00		500	
b. SBIR/STTR						13					13	
Subtotal Support Costs:						13		500			513	

Remark:

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. Certification		JITC, Ft Huachuca				93		100			193	
b. Interoperability Assessment		CTSF, Ft Hood						100			100	
Subtotal Test and Evaluation:						93		200			293	

Remark:

IV. Management Services : Not applicable

Project Total Cost:				744		489		8298			9531	
---------------------	--	--	--	-----	--	-----	--	------	--	--	------	--

Remark:

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							DATE February 2000					
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604741A Air and Missile Defense Command,				PROJECT D169				
				Control, Intelligence - Engineering Development								
<i>COST (In Thousands)</i>				FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D169 Air & Missile Defense Planning & Control System - WRAP				4938	0	0	0	0	0	0	0	4938
<p>A. <u>Mission Description and Budget Item Justification:</u> Project D169 - WRAP Funding initiated the Air and Missile Defense Planning and Control System (AMDPCS) program. The AMDPCS is the backbone of air defense which provides BM/C4I capability to Air Defense Artillery Brigades, the Army Air and Missile Defense Command (AAMDC) corps and EAC headquarters, and joint force command and control elements, such as the Battlefield Coordination Detachment (BCD). The AMDPCS provides ADA Bdes with a fire control system via the Air Defense System Integrator (ADSI) for monitoring and controlling engagement operations by subordinate battalions. The AMDPCS provides a common air and missile defense staff planning and battlespace situational awareness tool via the Air and Missile Defense Workstation (AMDWS) to achieve the common tactical and operational air picture. The AMDWS, like ADSI, will be fielded to air and missile defense units at all echelons of command, battery through theater. The AMDPCS provides the ABCS architecture and the Army AMD Task Forces (AMDTF) with BM/C4I capability and the Army component of interoperable Joint Theater Air and Missile Defense (JTAMD) BM/C4I. The AMDPCS enables Active, Passive and Attack Operations coordination with the joint forces. AMDPCS was initiated with WRAP funding in FY 99. Project D146 will continue development of AMDPCS.</p> <p>FY 1999 Accomplishments:</p> <ul style="list-style-type: none"> • 3543 AMDWS Software Development • 1000 ADSI Software Development • 395 AMDWS and ADSI Software Certification <p>Total 4938</p> <p>FY 2000 Planned Program: Project not funded in FY 2000</p> <p>FY 2001 Planned Program: Project not funded in FY 2001</p> <p>B. <u>Other Program Funding Summary:</u> Not applicable</p> <p>C. <u>Acquisition Strategy:</u> The acquisition strategy relies on non-development items (NDI) and evolutionary software development to rapidly meets the demands of air defense battle management command, control, communications, computers, and intelligence (BM/C4I) requirements and to keep pace with automated information technologies. The concept of evolutionary software development will be accomplished in a series of Block releases and upgrades. AMDPCS is being developed for both the Army's Active and Reserve components.</p>												
Project D169				Page 9 of 11 Pages				Exhibit R-2A (PE 0604741A)				

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)	DATE February 2000
--	------------------------------

BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604741A Air and Missile Defense Command, Control, Intelligence - Engineering Development	PROJECT D169
---	---	------------------------

D. Schedule Profile	<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>
Y2K Certification - AMDWS/ADSI	3Q						
ADSI Software Release	3Q						
ADSI Software Certification	3Q						

UNCLASSIFIED

ARMY RDT&E COST ANALYSIS (R-3)											DATE February 2000	
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development					PE NUMBER AND TITLE 0604741A Air and Missile Defense Command, Control, Intelligence - Engineering Development						PROJECT D169	
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. TRW	C/CPFF	Huntsville, AL		3543	Feb 99						3543	
b. USN/APC	T&M	Austin, TX		1000							1000	
Subtotal Product Development:				4543							4543	
II. Support Costs: Not applicable												
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. Certification		JITC, Ft Huachuca		150							150	
b. Interoperability Assess		CTSF, Ft Hood		95							95	
c. Certification		SED, Redstone Ars		150							150	
Subtotal Test and Evaluation:				395							395	
IV. Management Services: Not applicable												
Project Total Cost:				4938							4938	