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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207418F: TAC AIRBORNE CONTROL SYSTEM							
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	1.486	0.000	0.000	0.000	0.000	0.000	1.032	1.046	1.060	Continuing	Continuing
675234: TACP Support	1.486	0.000	0.000	0.000	0.000	0.000	1.032	1.046	1.060	Continuing	Continuing
A. Mission Description and Budget Item Justification											
<p>The Joint Terminal Controll Training and Rehearsal System (JTC TRS) project under the Tactical Airborne Control System funds developments necessary to provide Distributed Mission Operations (DMO) capable high-fidelity Joint Terminal Attack Controller (JTAC), and Combat Control Team (CCT) training and rehearsal system. Provides development funding to enable connectivity to DMO networks to allow geographically separated high-fidelity close air support platforms and JTACs/CCT teams to train together. Develops a system that will enable operators to conduct Joint Close Air Support (JCAS) training/mission rehearsal using tailored, dynamic scenarios that are relevant to mission tasking and capable of providing air traffic control training for CCT using tactical application of austere airbase operations. Using a system of systems approach JTC TRS provides incremental development to network in Increment 1 to aircrew full mission trainers and mission training centers, and by Increment 2, to Air Support Operations Centers (ASOCs) for Joint Tactical Air Strike Requests and air-ground coordination of Joint fires. Its primary focus is to provide a persistent total air-ground virtual training environment for networked air ground training and mission rehearsal capability that will develop both JTAC/CCT skills and train those air crews assigned to accomplish complex JCAS missions in close proximity to ground forces. Provides research and development to facilitate interoperability with joint/sister Service air ground simulation using industry standards.</p> <p>This program is in Budget Activity 7, Operational System Development, because it updates and develops capabilities for current operational systems.</p>											

UNCLASSIFIED

R-1 Line Item #150

Page 1 of 8

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force				DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
3600: Research, Development, Test & Evaluation, Air Force		PE 0207418F: TAC AIRBORNE CONTROL SYSTEM			
BA 7: Operational Systems Development					
B. Program Change Summary (\$ in Millions)					
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	1.486	0.000	0.000	0.000	0.000
Current President's Budget	1.486	0.000	0.000	0.000	0.000
Total Adjustments	0.000	0.000	0.000	0.000	0.000
• 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	0.000	0.000	0.000

UNCLASSIFIED

R-1 Line Item #150

Page 2 of 8

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0207418F: <i>TAC AIRBORNE CONTROL SYSTEM</i>				PROJECT 675234: <i>TACP Support</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
675234: <i>TACP Support</i>	1.486	0.000	0.000	0.000	0.000	0.000	1.032	1.046	1.060	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Joint Terminal Control Training and Rehearsal System (JTC TRS) project under the Tactical Airborne Control System funds developments necessary to provide Distributed Mission Operations (DMO) capable high-fidelity Joint Terminal Attack Controller (JTAC), and Combat Control Team (CCT) training and rehearsal system. Provides development funding to enable connectivity to DMO networks to allow geographically separated high-fidelity close air support platforms and JTACs/CCT teams to train together. Develops a system that will enable operators to conduct Joint Close Air Support (JCAS) training/mission rehearsal using tailored, dynamic scenarios that are relevant to mission tasking and capable of providing air traffic control training for CCT using tactical application of austere airbase operations. Using a system of systems approach JTC TRS provides incremental development to network in Increment 1 to aircrew full mission trainers and mission training centers, and by Increment 2, to Air Support Operations Centers (ASOCs) for Joint Tactical Air Strike Requests and air-ground coordination of Joint fires. Its primary focus is to provide a persistent total air-ground virtual training environment for networked air ground training and mission rehearsal capability that will develop both JTAC/CCT skills and train those air crews assigned to accomplish complex JCAS missions in close proximity to ground forces. Provides research and development to facilitate interoperability with joint/sister Service air ground simulation using industry standards.

This program is in Budget Activity 7, Operational System Development, because it updates and develops capabilities for current operational systems.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
MAJOR THRUST: Continue development of high-fidelity simulation system for JTAC/CCT Training	1.486	0.000	0.000	0.000	0.000
<i>FY 2009 Accomplishments:</i> In FY 2009: Continuation of above activities					
<i>FY 2010 Plans:</i> In FY 2010: N/A					

UNCLASSIFIED

R-1 Line Item #150

Page 3 of 8

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 Air Force							DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>			R-1 ITEM NOMENCLATURE PE 0207418F: <i>TAC AIRBORNE CONTROL SYSTEM</i>			PROJECT 675234: <i>TACP Support</i>					
B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
<i>FY 2011 Base Plans:</i> In FY2011: N/A <i>FY 2011 OCO Plans:</i> In FY 2011 OCO: Not Applicable.											
Accomplishments/Planned Programs Subtotals						1.486	0.000	0.000	0.000	0.000	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• PE 0207418F: <i>TAC Airborne Control System, Other Procurement , AF</i>	7.333	7.810	26.944	0.000	26.944	21.093	9.263	3.422	3.450	0.000	0.000
• PE 0207418F (1): <i>TAC Airborne Control System, O&M , AF</i>	0.000	1.518	2.788	0.000	2.788	4.442	4.575	4.569	4.893	0.000	0.000
D. Acquisition Strategy											
The acquisition strategy will be based on a Small Business Set Aside to develop a Production Representative Article (PRA) with the required documentation to immediately compete a production contract through a yet to be determined (small business or full and open) approach. The PRA and first production lot will consitute Increment 1 which will allow JTAC/CCT teams to network to aircrew full mission trainers and mission training centers. Future increments will be incorporated as funding and technology allow.											
E. 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.											

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force											DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207418F: TAC AIRBORNE CONTROL SYSTEM				PROJECT 675234: TACP Support					
Product Development (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
677 AESG AFMC	TBD/TBD	677 AESG AFMC Wright Patterson AFB, OH	0.160	0.000		0.000		0.000		0.000	Continuing	Continuing	Continuing
Subtotal			0.160	0.000		0.000		0.000		0.000			
Remarks													
Test and Evaluation (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
605 TES ACC	TBD/TBD	605 TES/TXT ACC Eglin AFB FL	0.350	0.000		0.000		0.000		0.000	Continuing	Continuing	Continuing
Subtotal			0.350	0.000		0.000		0.000		0.000			
Remarks													

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force											DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0207418F: <i>TAC AIRBORNE CONTROL SYSTEM</i>				PROJECT 675234: <i>TACP Support</i>					
Management Services (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Support	TBD/TBD	677 AESG AFMC Wright Patterson AFB, OH	0.976	0.000		0.000		0.000		0.000	Continuing	Continuing	Continuing
Subtotal			0.976	0.000		0.000		0.000		0.000			
Remarks													
			Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			1.486	0.000		0.000		0.000		0.000			
Remarks Total Prior Years Cost may include only FY 2009 data.													

UNCLASSIFIED

R-1 Line Item #150

Page 6 of 8

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

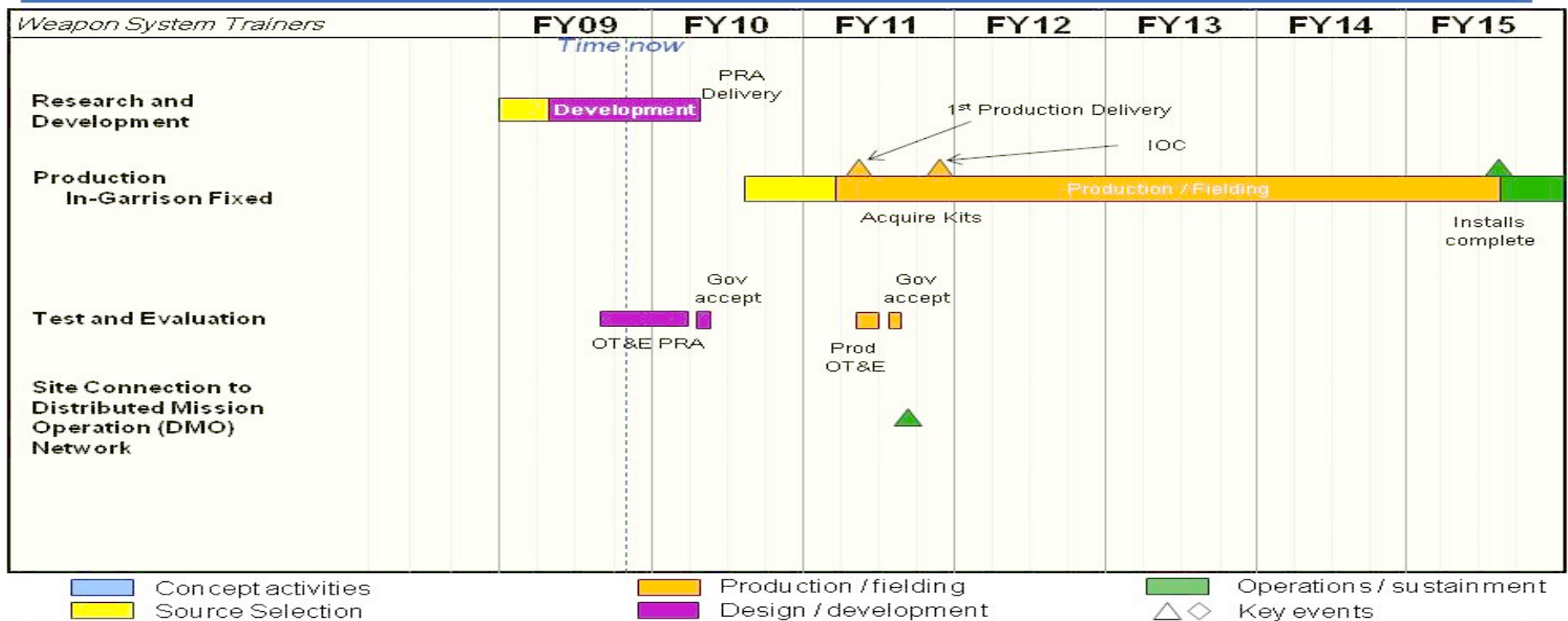
PE 0207418F: TAC AIRBORNE CONTROL
SYSTEM

PROJECT

675234: TACP Support



Joint Terminal Control Training/Rehearsal System (JTC TRS)



UNCLASSIFIED

R-1 Line Item #150

Page 7 of 8

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Air Force			DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0207418F: TAC AIRBORNE CONTROL SYSTEM		PROJECT 675234: TACP Support
Schedule Details				
	Start		End	
Event	Quarter	Year	Quarter	Year
JTC TRS In-garrison/Fixed Development	1	2009	4	2009
JTC In-garrison/Fixed I/OT& E	4	2009	4	2009
JTC TRS In-garrison/Fixed Development Delivery	2	2010	2	2010
JTC TRS In-garrison/Fixed Production Contract Award	1	2011	1	2011
JTC TRS In-garrison/Fixed Production Installs Begin	2	2011	2	2011
JTC TRS In-garrison/Fixed Production IOC	4	2011	4	2011

UNCLASSIFIED