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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 0207431F: Combat Air Intelligence 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	0.000	1.475	3.310	0.000	3.310	5.684	5.770	5.858	5.944	Continuing	Continuing
675307: TARGETING ENTERPRISE RESEARCH	0.000	0.983	2.142	0.000	2.142	4.033	4.094	4.157	4.218	0.000	0.000
675309: GEO Info & Serv Software	0.000	0.492	1.168	0.000	1.168	1.651	1.676	1.701	1.726	0.000	0.000

A. Mission Description and Budget Item Justification

The mission of Combat Air Intelligence Systems (CAIS) is to process, analyze, and disseminate intelligence for air component and unit operations worldwide by providing key intelligence infrastructure and tactical production capabilities for the Air Force with true backbone type of intelligence support for air operations.

CAIS is focused on providing the “tactical” combat-oriented intelligence infrastructure for Air Force major commands: providing funding to ACC, PACAF, USAFE, AMC, AFMC, AFSOC, and AETC to primarily fund Air Intelligence Squadrons and the 480th Intelligence Group.

This program is in Budget Activity 7, Operational System Development, because it addresses the tactical combat-oriented intelligence infrastructure for the Air Force major commands.

B. Program Change Summary (\$ in Millions)

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	0.000	1.475	0.000	0.000	0.000
Current President's Budget	0.000	1.475	3.310	0.000	3.310
Total Adjustments	0.000	0.000	3.310	0.000	3.310
• 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	3.310	0.000	3.310

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<u>Change Summary Explanation</u> FY 2011: The FY 2010 Presiden't Budget submittal did not reflect FY 2011 through Fy 2015 funding. Therefore, explanation of changes between the two budget positions cannot be made in a relevant manner.		

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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 0207431F: <i>Combat Air Intelligence System</i>				PROJECT 675307: <i>TARGETING ENTERPRISE RESEARCH</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
675307: <i>TARGETING ENTERPRISE RESEARCH</i>	0.000	0.983	2.142	0.000	2.142	4.033	4.094	4.157	4.218	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note Targeting Training emphasis ensures certified targeteers meet growing precision-guided munitions inventory GWOT demands create training and continuity challenges IFTUs and Training Transformation helping to alleviate training burden Increased demand on classified systems and networks to support operations and mission requirements JWICS GPL											
A. Mission Description and Budget Item Justification											
Provides support to JWICS users utilizing Tactical Intelligence Applications, Target Planning & Execution, Geospatial Intelligence, Intelligence Training and dissemination architecture targeting capabilities. System information is in direct support to National, Combatant Command, and Air Force Intelligence Missions.											
B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
MAJOR THRUST: Conduct Targeting Enterprise Research						0.000	0.983	2.142	0.000	2.142	
FY 2009 Accomplishments:											
In FY 2010: Conduct Targeting Enterprise Research											

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B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
<i>FY 2010 Plans:</i> In FY 2011: Conduct Targeting Enterprise Research <i>FY 2011 Base Plans:</i> In FY 2011 OCO: N/A <i>FY 2011 OCO Plans:</i> In FY 2011 OCO: Not Applicable.											
Accomplishments/Planned Programs Subtotals						0.000	0.983	2.142	0.000	2.142	
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 Not Provided (18406): <i>Not applicable</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
D. Acquisition Strategy All contracts are awarded based on full and open competition.											
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.											

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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 0207431F: Combat Air Intelligence System				PROJECT 675307: TARGETING ENTERPRISE RESEARCH					
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
Targeting Enterprise Research	TBD/TBD	TBD TBD	0.000	0.983	Jan 2010	2.142	Jan 2011	0.000		2.142	Continuing	Continuing	Continuing
Subtotal			0.000	0.983		2.142		0.000		2.142			
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			0.000	0.983		2.142		0.000		2.142			
Remarks													
Total Prior Years Cost may include only FY 2009 data.													

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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 0207431F: Combat Air Intelligence System

PROJECT

675307: TARGETING ENTERPRISE
RESEARCH

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Geospatial Product Library (GPL) Schedule

MAJCOM	FY10	FY11	FY12	FY13	FY14	FY15
ACC						

 R&D SOFTWARE/HARDWARE (67-4826)

Geospatial Product Library (GPL) RDT&E Tasks:

Develop an Air Force open source (i.e. free software) web services capability to be hosted on the Enhanced GPL. Prototype to initially provide various Open Geospatial Consortium (OGC) services in a test-bed environment.

Continue development of the Enhanced GPL. The goal is to transform the GPL into a modular geospatial data server that is scalable in terms of capability (processing & storage) and application software (mission support).

Continue research in the latest automation techniques with a goal of improving or making more efficient the automated data flow to the fielded GPL systems.

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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 0207431F: Combat Air Intelligence System		PROJECT 675307: TARGETING ENTERPRISE RESEARCH	
Schedule Details					
		Start		End	
Event		Quarter	Year	Quarter	Year
Targeting Enterprise Research		1	2010	4	2011

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207431F: Combat Air Intelligence System				PROJECT 675309: GEO Info & Serv Software			
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
675309: GEO Info & Serv Software	0.000	0.492	1.168	0.000	1.168	1.651	1.676	1.701	1.726	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note Air Force GEOINT Support program funds the Air Force Geospatial Product Library (GPL) which is currently fielded to all Combatant Command Air Components and subordinate units supporting global air operations. The GPL provides digital GEOINT data to support mission planning, targeting & intelligence in support of mission objectives. Global Positioning Library (GPL) installed at approximately 180 sites with an estimated 250 sites required by FY 2010 to continue effort.											
A. Mission Description and Budget Item Justification (U) Provides support to Geospatial resources utilized in Geospatial Intelligence Databasing Applications, Technology Exploration and Technology Refresh initiatives, management and dissemination architecture, GI&S modernization and enablers for targeting capabilities. Provides support to the MAJCOMS to ensure requisite and available target intelligence and Geospatial Intelligence tools and information directly available to combatants.											
B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
MAJOR THRUST: Provides GEO Info & Serv Software FY 2009 Accomplishments: In FY 2010: N/A FY 2010 Plans: In FY 2011: N/A FY 2011 Base Plans: In FY 2011 OCO: N/A						0.000	0.492	1.168	0.000	1.168	

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B. Accomplishments/Planned Program (\$ in Millions)											
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total			
<i>FY 2011 OCO Plans:</i> In FY 2011 OCO: Not Applicable.											
Accomplishments/Planned Programs Subtotals				0.000	0.492	1.168	0.000	1.168			
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• PE Not Provided (18565): <i>None.</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
D. Acquisition Strategy											
All major contracts within this project will be awarded after full and open competition.											
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.											

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Product Development (\$ in Millions) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th colspan="4"></th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th colspan="2">FY 2011 Total</th> <th colspan="2"></th> </tr> <tr> <th>Cost Category Item</th> <th>Contract Method & Type</th> <th>Performing Activity & Location</th> <th>Total Prior Years Cost</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Cost To Complete</th> <th>Total Cost</th> <th>Target Value of Contract</th> </tr> <tr> <td>Software Development</td> <td>TBD/TBD</td> <td>TBD TBD</td> <td align="right">0.000</td> <td align="right">0.492</td> <td>Jan 2010</td> <td align="right">1.168</td> <td>Jan 2011</td> <td align="right">0.000</td> <td></td> <td align="right">1.168</td> <td>Continuing</td> <td>Continuing</td> <td>Continuing</td> </tr> <tr> <td align="right" colspan="3">Subtotal</td> <td align="right">0.000</td> <td align="right">0.492</td> <td></td> <td align="right">1.168</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">1.168</td> <td></td> <td></td> <td></td> </tr> </table>																		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	Software Development	TBD/TBD	TBD TBD	0.000	0.492	Jan 2010	1.168	Jan 2011	0.000		1.168	Continuing	Continuing	Continuing	Subtotal			0.000	0.492		1.168		0.000		1.168			
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R-1 ITEM NOMENCLATURE

PE 0207431F: Combat Air Intelligence System

PROJECT

675309: GEO Info & Serv Software

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Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
Software Development	1	2010	4	2011

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