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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2013 Air Force	<b>DATE:</b> February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				PE 0305220F: <i>GLOBAL HAWK DEVELOPMENT/FIELDING</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	218.912	423.462	236.265	-	236.265	197.258	174.189	96.425	72.651	Continuing	Continuing
675144: <i>Global Hawk Baseline</i>	191.000	300.269	-	-	-	-	-	-	-	Continuing	Continuing
675146: <i>RQ-4 Block 40</i>	-	-	144.179	-	144.179	67.680	40.082	7.576	-	Continuing	Continuing
675147: <i>RQ-4 GSRA/CSRA</i>	-	-	55.343	-	55.343	73.000	60.795	27.876	27.896	Continuing	Continuing
675148: <i>RQ-4 Preplanned Product Improvement (P3I)</i>	-	-	19.036	-	19.036	45.000	61.368	48.772	32.393	Continuing	Continuing
676001: <i>NATO AGS</i>	-	82.906	-	-	-	-	-	-	-	Continuing	Continuing
67RTIP: <i>MP-RTIP</i>	27.912	40.287	17.707	-	17.707	11.578	11.944	12.201	12.362	Continuing	Continuing

**Note**

In FY12, P018, NATO Alliance Ground Surveillance (AGS) efforts were transferred from PE 1001018D8Z, NATO AGS, Project P018, NATO AGS, in order to transfer control of this effort from OSD to the USAF.

In FY13, Project 676001, NATO AGS, efforts transferred to PE 0305238F, NATO AGS, Project 676001, NATO AGS, in order to manage NATO AGS as a separate program

Totals include funding for PRCP Program Number (PNO) 252, Global Hawk.

Totals include funding for PRCP Program Number (PNO) 293, MP-RTIP.

In two related Acquisition Decision Memoranda (ADM) signed by USD (AT&L) in January and June 2011, the Global Hawk program was directed to restructure into four major sub-programs: (1) Global Hawk baseline, (2) Block 30, (3) Block 40, and (4) Ground Station Re-Architecture (GSRA)/ Communications System Re-Architecture (CSRA). Additionally, the Air Force created a RQ-4 Due Regard line item to accommodate inclusion of required capability to meet warfighter needs beyond those requirements satisfied in the directed sub-programs.

Since the time of the June 2011 ADM and subsequent designation of sub-program projects, the FY11 and FY12 budgets had already been finalized within DoD, the budgets for FY11 and FY12 are captured under the "Global Hawk Baseline" sub-program, as its related project (675144) was the core project for the Global Hawk program prior to the directed restructure.

The Cost to Complete and Total Cost for MDAP projects in this program element are documented in the R3. The Cost to Complete and Total Cost on the R2 are entered as "Continuing" and not reflective of the total cost for MDAP projects since the R2 does not account for prior years funding.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING	
<b>A. Mission Description and Budget Item Justification</b> <p>This program element funds five (5) related Air Force efforts sharing the Global Hawk platform in common: the Global Hawk Baseline (Block 10/20) subprogram, the RQ-4 Block 40 subprogram, the RQ-4 Ground Station Re-Architecture (GSRA)/ Communications System Re-Architecture (CSRA) subprogram, future RQ-4 Due Regard efforts, and the Multi-Platform Radar Technology Insertion Program (MP-RTIP).</p> <p>Global Hawk:</p> <p>The Global Hawk Unmanned Aircraft System (UAS) provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that compliments space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.</p> <p>This funding supports the development of Global Hawk aircraft, payloads and ground and support segments. The RQ-4B remotely piloted aircraft (RPA) is the successor to the Block 10 RQ-4A, and is designed to employ 3000 pounds of payload and enable multi-intelligence (multi-INT) collecting. The Block 20 employs upgraded Synthetic Aperture Radar (SAR) and Electro-Optical/Infrared (EO/IR) sensors known as the Enhanced ISS (EISS) in imagery intelligence (IMINT) - only configuration. The Block 30 employs the same EISS sensors as the Block 20. The Block 40 will only integrate the Multi-Platform Radar Technology Insertion Program (MP-RTIP) radar sensor. The ground segment includes the mission control element (MCE) and the launch and recovery element (LRE). The support segment includes aerospace ground equipment, tech orders, spares, support equipment, and training to enable operation of the Global Hawk System.</p> <p>When judged feasible and affordable, this program will participate in the development, testing, and implementation of international standards to enhance joint, allied, and coalition interoperability. Likewise, studies and activities may be initiated to explore the utility of incorporating the emerging architectural standards such as the USAF UAV Command and Control Initiative or the DoD's UAV Control Segment standards.</p> <p>The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy's Broad Area Maritime System (BAMS), USAF Predator/ Reaper, and other RPA weapon systems.</p> <p>Activities also include studies and analysis supporting current and future program planning and project execution.</p> <p>Multi Platform - Radar Technology Program (MP-RTIP):</p> <p>The MP-RTIP was established to develop a family of modular, scalable next generation sensors for multiple platforms to support network centric operations with integrated Command and Control Intelligence, Surveillance and Reconnaissance (C2ISR) capability. MP-RTIP provides the Global Hawk Block 40 aircraft advanced Synthetic Aperture Radar (SAR) and Ground Moving Target Indicator (GMTI) sensor capabilities.</p> <p>FY13 completes MP-RTIP sensor integration on Global Hawk, continues risk reduction activities, and starts planning and initial design work for MP-RTIP remaining requirements. Funding continues to provide MP-RTIP government acquisition support services necessary to complete MP-RTIP SDD, with emphasis on acquisition</p>		

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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force				DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE				
3600: Research, Development, Test & Evaluation, Air Force		PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				
BA 7: Operational Systems Development						
management, documentation delivery, EN oversight of System-Level Performance Verification (SLPV) and developmental contract closeout. MP-RTIP Other Government Costs provide acquisition services for program office infrastructure, contract planning, and contract awards for remaining program requirements.						
Activities also include studies and analysis supporting current and future program planning and future modes development based on user requirements.						
This program is in Budget Activity 7, Operational System Development, because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget		251.318	423.462	365.137	-	365.137
Current President's Budget		218.912	423.462	236.265	-	236.265
Total Adjustments		-32.406	-	-128.872	-	-128.872
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-31.000	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Other Adjustments		-1.406	-	-128.872	-	-128.872
Change Summary Explanation						
FY11 \$32.406M decrease:						
(-)\$31.0M Congressional recission from RDT&E for execution adjustment.						
Adjustments of CGR (-)\$1.406M are reflected in the Other Adjustments row.						
FY12 increase from FY11:						
(+)\$82.906M for inclusion of NATO AGS efforts in PE 0305220F Global Hawk from PE 1001018D8Z NATO AGS						
(+)\$109.269M increase in Global Hawk Baseline development efforts including Block 40 MP-RTIP integration, Ground Segment and Communications upgrades, and Reliability and Maintainability improvements.						
FY13 (-)\$128.872 net decrease:						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING	
<p>(-)\$45.662M Discontinuation of all Block 30 efforts.</p> <p>(-)\$83.210M for Project 676001, NATO AGS, efforts transferred to PE 0305238F in order to manage NATO AGS as a separate program.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675144: Global Hawk Baseline			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
675144: Global Hawk Baseline	191.000	300.269	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

1. Totals include funding for PRCP Program Number (PNO) 252, Global Hawk.

2. The Global Hawk Baseline Sub-Program was directed by an ADM signed 14 Jun 11 by USD (AT&L). Since the time of the ADM signature, and subsequent designation of sub-program projects, the FY11 and FY12 budgets had already been finalized within DoD, the FY11 and FY12 budgets for all sub-programs are captured under the Global Hawk Baseline sub-program, as its related Project (675144) was the core project for the Global Hawk program prior to the directed restructure.

The RQ-4 Block 40 sub-program can be found in Project 675146. The RQ-4 GSRA/CSRA sub-program can be found in Project 675147. The RQ-4 Preplanned Product Improvement (P3I) activities can be found in Project 675148.

A. Mission Description and Budget Item Justification

The Global Hawk Unmanned Aircraft System (UAS) provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that compliments space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.

RDT&E funding in this BPAC captures design, development, integration, and testing of all FY11 and FY12 activities in all other major sub-programs, per Note 2 above. See Budget Item Justifications in other sub-programs for descriptions of supported activities. This sub-program captures all historical costs of RQ-4A and RQ-4B baseline development, as well as development of the Integrated Sensor Suite, Enhanced Integrated Sensor Suite, and legacy ground segments.

When judged feasible and affordable, this program will participate in the development, testing, and implementation of international standards to enhance joint, allied, and coalition interoperability. Likewise, studies and activities may be initiated to explore the utility of incorporating the emerging architectural standards such as the USAF UAV Command and Control Initiative or the DoD’s UAV Control Segment standards.

The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy’s Broad Area Maritime System (BAMS), USAF Predator/Reaper, and other remotely piloted aircraft (RPA) weapon systems.

Activities also include studies and analysis supporting current and future program planning and project execution.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675144: Global Hawk Baseline			
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2011	FY 2012	FY 2013
Title: Global Hawk Development and Demonstration (SDD)									177.890	275.919	-
Description: Global Hawk Development and Demonstration (SDD)											
FY 2011 Accomplishments: Continued Aircraft/Comm system modernization, and BAMS Synergies. Continued testing of software blocks 3.0 and 3.1. Addressed deficiencies identified in IOT&E report. This effort also includes Block 30, 40, and GSRA/CSRA upgrades.											
FY 2012 Plans: Continues Aircraft/Comm system modernization, and BAMS Synergies. Continues testing of software blocks 3.1/4.0. This effort also includes Block 30, 40, and GSRA/CSRA upgrades.											
Title: Support Segment									4.260	13.021	-
Description: Support Segment											
FY 2011 Accomplishments: Continued to develop and integrate logistics support.											
FY 2012 Plans: Continue to develop and integrate logistics support.											
Title: Other Government Costs									8.850	11.329	-
Description: Other Government Costs											
FY 2011 Accomplishments: Mission Support											
FY 2012 Plans: Mission Support											
Accomplishments/Planned Programs Subtotals									191.000	300.269	-
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• APAF, PE 0305220F, RQ-4 UAV: Aircraft Procurement, RQ-4 UAV	777.224	687.771	95.911	0.000	95.911	66.060	41.162	30.014	16.732	Continuing	Continuing

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force		DATE: February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING	<b>PROJECT</b> 675144: Global Hawk Baseline

### D. Acquisition Strategy

The Global Hawk program uses an evolutionary acquisition strategy to provide the warfighter with a near-term, combat capability with increased, time-phased capability improvements as technology and risk achieve satisfactory levels. Northrop Grumman Corporation is the prime contractor.

### 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 2013 Air Force											DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				675144: Global Hawk Baseline					
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Engineering Manufacturing & Development	SS/CPAF	Northrop Grumman Integrated Systems:San Diego, CA	1,479.063	245.834	Oct 2011	-		-		-	0.000	1,724.897	TBD
Subtotal			1,479.063	245.834		-		-		-	0.000	1,724.897	
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Contractor Program Support	SS/CPFF	Northrop Grumman Integrated Systems:San Diego, CA	27.719	14.047	Nov 2011	-		-		-	0.000	41.766	TBD
Govtment Program Support	Various	Various:Various,	5.706	8.559	Nov 2011	-		-		-	0.000	14.265	TBD
Subtotal			33.425	22.606		-		-		-	0.000	56.031	
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Flight Test & Evaluation	PO	AFFTC:Edwards, AFB, CA	98.458	20.500	Nov 2011	-		-		-	0.000	118.958	TBD
Subtotal			98.458	20.500		-		-		-	0.000	118.958	
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
PMA: A&AS	C/Various	Various:Dayton, OH	55.820	5.725	Nov 2011	-		-		-	0.000	61.545	TBD
PMA: Other Gov't Cost	Various	Various:Dayton, OH	33.671	5.604	Oct 2011	-		-		-	0.000	39.275	TBD
Subtotal			89.491	11.329		-		-		-	0.000	100.820	



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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675144: Global Hawk Baseline					
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			1,700.437	300.269		-		-		-	0.000	2,000.706	

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	PROJECT 675144: <i>Global Hawk Baseline</i>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Air Force			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	<b>PROJECT</b> 675144: <i>Global Hawk Baseline</i>	

## Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Block 20/30 IOT&E Prep	1	2011	2	2011
Block 20/30 IOT&E	2	2011	2	2011
Block 20/30 Post-IOT&E Refinement	2	2011	1	2012
Block 20/30 Post-IOT&E HAT Activities	1	2012	4	2012
Block 40 Ground Integration and Test	1	2011	3	2011
Block 40 Radar/Air Vehicle Integration and Flight Test	3	2011	4	2012
Block 40 First Sensor Flight	3	2011	3	2011
Mission Planning Upgrade	2	2011	4	2012
Reliability and Maintainability	2	2012	4	2012
INMARSAT/COMSEC Development and Test	2	2012	4	2012
JPEG	3	2012	4	2012
Ground and Comms Obsolescence-related modifications	1	2011	4	2012

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675146: RQ-4 Block 40			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
675146: RQ-4 Block 40	-	-	144.179	-	144.179	67.680	40.082	7.576	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**Note**

1. Totals include funding for PRCP Program Number (PNO) 252, Global Hawk.

2. The Global Hawk Block 40 Sub-Program was directed by an ADM signed 14 Jun 11 by USD (AT&L). Since the time of the ADM signature, and subsequent designation of sub-program projects, the FY11 and FY12 budgets had already been finalized within DoD, the FY11 and FY12 budgets for all sub-programs are captured under the Global Hawk Baseline sub-program, as its related Project (675144) was the core project for the Global Hawk program prior to the directed restructure.

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

The Global Hawk Unmanned Aircraft System (UAS) provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that compliments space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.

RDT&E funding in this project supports design, development, integration, and testing of items needed to meet Key Performance Parameters (KPPs) for Block 40 aircraft, including integration and test of the Multi-Platform Radar Technology Insertion Program (MP-RTIP) sensor. Associated Block 40 airworthiness certifications are included in this effort. The Block 40 program provides critical ISR and Battle Management Command and Control (BMC2) data to the warfighter.

This funding also supports continued aircraft/communications systems modernization to include IFF Mode 5, mission planning upgrade, JPEG 2000, International marine/Maritime Satellite (INMARSAT)/Crypto development and reliability and maintainability improvements.

When judged feasible and affordable, this program will participate in the development, testing, and implementation of international standards to enhance joint, allied, and coalition interoperability. Likewise, studies and activities may be initiated to explore the utility of incorporating the emerging architectural standards such as the USAF UAV Command and Control Initiative or the DoD’s UAV Control Segment standards.

The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy’s Broad Area Maritime System (BAMS), USAF Predator/Reaper, and other remotely piloted aircraft (RPA) weapon systems.

Activities also include studies and analysis supporting current and future program planning and project execution.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force								DATE: February 2012					
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675146: RQ-4 Block 40					
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2011		FY 2012		FY 2013	
Title: Global Hawk Block 40 Development and Demonstration (SDD)								-		-		123.956	
Description: Global Hawk Block 40 Payload and Aircraft/Communications Development and Demonstration (SDD)													
FY 2013 Plans: Continue Aircraft/Communication systems modernization to include IFF Mode 5, mission planning upgrade, JPEG 2000, and International Marine/Maritime Satellite (INMARSAT)/Crypto development. Development and integration of MP-RTIP sensor integration, test and sustainment capability for Block 40. Continue aircraft operations surety for Information Assurance and Reliability and Maintainability.													
Title: Global Hawk Block 40 Government Test and Non Prime Support								-		-		13.153	
Description: Government test and non prime technical support													
FY 2013 Plans: Continuing government, engineering and non-prime technical support for Block 40 aircraft													
Title: Other Government Costs								-		-		7.070	
Description: Other Government Costs													
FY 2013 Plans: Mission Support													
Accomplishments/Planned Programs Subtotals								-		-		144.179	
C. Other Program Funding Summary (\$ in Millions)													
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost		
• APAF, PE 0305220F, Block 40: Aircraft Procurement, RQ-4 Blk 40 Proc	0.000	0.000	11.654	0.000	11.654	1.747	1.824	0.000	0.000	0.000	15.225		
D. Acquisition Strategy													
The Global Hawk program uses an evolutionary acquisition strategy to provide the warfighter with a near-term, combat capability with increased, time-phased capability improvements as technology and risk achieve satisfactory levels. Northrop Grumman Corporation is the prime contractor.													

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Air Force		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	<b>PROJECT</b> 675146: <i>RQ-4 Block 40</i>

**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 2013 Air Force											DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675146: RQ-4 Block 40						
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
Engineering Manufacturing & Development Block 40	SS/CPIF	Northrop Grumman Integrated Systems:San Diego, CA	-	-		123.957	Oct 2012	-		123.957	98.005	221.962	TBD	
Subtotal			-	-		123.957		-		123.957	98.005	221.962		
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
Government Program Support	Various	Various:Dayton, OH	-	-		0.352	Oct 2012	-		0.352	0.061	0.413	TBD	
Subtotal			-	-		0.352		-		0.352	0.061	0.413		
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
Flight Test & Evaluation	PO	AFFTC:Edwards AFB, CA	-	-		12.800	Oct 2012	-		12.800	5.946	18.746	TBD	
Subtotal			-	-		12.800		-		12.800	5.946	18.746		
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
PMA: A&AS	Various	Various:Dayton, OH	-	-		3.500	Oct 2012	-		3.500	5.640	9.140	TBD	
PMA: Other Gov't Cost	Various	Various:Dayton, OH	-	-		3.570	Oct 2012	-		3.570	5.686	9.256	TBD	
Subtotal			-	-		7.070		-		7.070	11.326	18.396		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force								DATE: February 2012					
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675146: RQ-4 Block 40					
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		144.179		-		144.179	115.338	259.517	

Remarks



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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	PROJECT 675146: <i>RQ-4 Block 40</i>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Air Force			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	<b>PROJECT</b> 675146: <i>RQ-4 Block 40</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Reliability and Maintainability Initiatives	1	2013	4	2016
JPEG 2000 Data Compression	1	2013	4	2014
IFF Mode 5	2	2013	3	2015
INMARSAT/COMSEC	1	2013	4	2014
Mission Planning Upgrade	1	2013	4	2014
Block 40 Radar Air Vehicle Integration and Flight Test	1	2013	2	2013
Block 40 System Performance Verification	2	2013	3	2013
Block 40 IOT&E Prep	3	2013	4	2013
Block 40 IOT&E	4	2013	1	2014
Block 40 Government Ops	4	2013	4	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675147: RQ-4 GSRA/CSRA			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
675147: RQ-4 GSRA/CSRA	-	-	55.343	-	55.343	73.000	60.795	27.876	27.896	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note											
1. Totals include funding for PRCP Program Number (PNO) 252, Global Hawk.											
2. The Global Hawk GSRA/CSRA Sub-Program was directed by an ADM signed 14 Jun 11 by USD (AT&L). Since the time of the ADM signature, and subsequent designation of sub-program projects, the FY11 and FY12 budgets had already been finalized within DoD, the FY11 and FY12 budgets for all sub-programs are captured under the Global Hawk Baseline sub-program, as its related Project (675144) was the core project for the Global Hawk program prior to the directed restructure.											
A. Mission Description and Budget Item Justification											
The Global Hawk Unmanned Aircraft System (UAS) provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that compliments space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.											
RDT&E funding in this project supports limited design, development, integration, and testing of the Ground Segment and Communication Systems required to resolve technical refresh and obsolescence issues. The Ground Segment effort solves fleet-grounding obsolescence issues associated with legacy ground segment equipment. Communication Systems updates also resolves critical obsolescence issues in the Global Hawk communications infrastructure.											
When judged feasible and affordable, this program will participate in the development, testing, and implementation of international standards to enhance joint, allied, and coalition interoperability. Likewise, studies and activities may be initiated to explore the utility of incorporating the emerging architectural standards such as the USAF UAV Command and Control Initiative (UCI) or the DoD's UAV Control Segment standards.											
The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy's BAMS, USAF Predator/Reaper, and other remotely piloted aircraft (RPA) weapon systems.											
Activities also include studies and analysis supporting current and future program planning and project execution.											
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.											
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2011	FY 2012	FY 2013	
Title: Global Hawk CSRA Development and Demonstration (SDD)								-	-	12.893	

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force								DATE: February 2012					
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675147: RQ-4 GSRA/CSRA					
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2011		FY 2012		FY 2013	
Description: Global Hawk Communications Development and Demonstration (SDD)													
FY 2013 Plans: Continuing comms system modernization, integration, and testing.													
Title: Global Hawk Ground Segment Development and Demonstration (SDD)								-		-		35.181	
Description: Global Hawk Ground Segment Development and Demonstration (SDD)													
FY 2013 Plans: Continue Ground segment modernization and development testing.													
Title: Government Test and non prime support								-		-		5.239	
Description: Government test and non-prime technical support													
FY 2013 Plans: Continue government, engineering and non-prime technical support													
Title: Other Government Costs								-		-		2.030	
Description: Other Government Costs													
FY 2013 Plans: Mission Support													
Accomplishments/Planned Programs Subtotals								-		-		55.343	
C. Other Program Funding Summary (\$ in Millions)													
Line Item		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost	
• APAF, PE 0305220F, RQ-4 UAV: Aircraft Procurement, RQ-4 GSRA/ CSRA Mods		0.000	0.000	0.000	0.000	0.000	30.000	30.379	20.386	10.175	Continuing	Continuing	
D. Acquisition Strategy													
The Global Hawk program uses an evolutionary acquisition strategy to provide the warfighter with a near-term, combat capability with increased, time-phased capability improvements as technology and risk achieve satisfactory levels. Northrop Grumman Corporation is the prime contractor.													

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Air Force		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	<b>PROJECT</b> 675147: <i>RQ-4 GSRA/CSRA</i>

**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 2013 Air Force										DATE: February 2012				
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675147: RQ-4 GSRA/CSRA					
Product Development (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
Engineering, Manufacturing & Development Ground Segment and Communication Systems	C/CPIF	Northrop Grumman Integrated Systems:San Diego, CA	-	-		48.074	Oct 2012	-		48.074	162.004	210.078	TBD	
Subtotal			-	-		48.074		-		48.074	162.004	210.078		
Support (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
Government Program Support	Various	Various:Dayton, OH	-	-		0.039	Oct 2012	-		0.039	0.340	0.379	TBD	
Subtotal			-	-		0.039		-		0.039	0.340	0.379		
Test and Evaluation (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
Flight Test & Evaluation	PO	AFFTC:Edwards AFB, CA	-	-		5.200	Oct 2012	-		5.200	16.879	22.079	TBD	
Subtotal			-	-		5.200		-		5.200	16.879	22.079		
Management Services (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
PMA: A&AS	Various	Various:Dayton, OH	-	-		1.000	Oct 2012	-		1.000	5.280	6.280	TBD	
PMA: Other Gov't Cost	Various	Various:Dayton, OH	-	-		1.030	Oct 2012	-		1.030	5.064	6.094	TBD	
Subtotal			-	-		2.030		-		2.030	10.344	12.374		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675147: RQ-4 GSRA/CSRA			
	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-		55.343		-		55.343	189.567	244.910	

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	PROJECT 675147: <i>RQ-4 GSRA/CSRA</i>



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Air Force			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	<b>PROJECT</b> 675147: <i>RQ-4 GSRA/CSRA</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Ground and Comms obsolescence resolution	1	2013	4	2017
Ground and Comms Retrofit / Operations	4	2014	4	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675148: RQ-4 Preplanned Product Improvement (P3I)			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
675148: RQ-4 Preplanned Product Improvement (P3I)	-	-	19.036	-	19.036	45.000	61.368	48.772	32.393	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

## Note

1. Totals include funding for PRCP Program Number (PNO) 252, Global Hawk.

2. In two related Acquisition Decision Memoranda signed by USD (AT&L) in January and June 2011, the Global Hawk program was directed to restructure into four major sub-programs: (1) Global Hawk baseline, (2) Block 30, (3) Block 40, and (4) Ground Station Re-Architecture (GSRA)/Communications System Re-Architecture (CSRA). Additionally, the Air Force created this Pre-Planned Product Improvement (P3I) line item to accommodate inclusion of required capability to meet warfighter needs beyond those requirements satisfied in the directed sub-programs.

## A. Mission Description and Budget Item Justification

The Global Hawk Unmanned Aircraft System (UAS) provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that compliments space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.

RDT&E funding in this BPAC supports design, development, integration, and testing of RQ-4 Due Regard. Due Regard supports the Worldwide Operations Key Performance Parameter (KPP) and provides the ability for UAS integration into National Airspace and full UAS operations throughout the across all mission environments. Common BAMS/GH software development is on going with prior year OSD funds. FY13 funding covers the Sense and Avoid development activities only. This is a continuation of efforts began in FY10 under OSD PEC, 64400D.

Activities also include studies and analysis supporting current and future program planning and project execution.

This program is in Budget Activity 7, Operational System Development, because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

## B. Accomplishments/Planned Programs (\$ in Millions)

	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> Global Hawk Development and Demonstration (SDD) Due Regard	-	-	18.036
<b>Description:</b> Global Hawk Development and Demonstration (SDD) Due Regard			
<b>FY 2013 Plans:</b> Will develop a scalable autonomous, Airborne Sense and Avoid (ABSAA) system to provide a capability to meet DoD training and operational objectives at locations where airspace restrictions currently limit training and operations. Development of this			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Air Force							<b>DATE:</b> February 2012					
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>			<b>PROJECT</b> 675148: <i>RQ-4 Preplanned Product Improvement (P3I)</i>						
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>							<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>			
capability is also dependent on the development of certified performance standards and the modeling and simulation tools needed to validate the standards.												
<b>Title:</b> Other Government Costs							-	-	1.000			
<b>Description:</b> Other Government Costs												
<b>FY 2013 Plans:</b> Mission Support												
<b>Accomplishments/Planned Programs Subtotals</b>							-	-	19.036			
<b>C. Other Program Funding Summary (\$ in Millions)</b>												
	<b>Line Item</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
•	N/A: N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
<b>D. Acquisition Strategy</b>												
The Global Hawk program uses an evolutionary acquisition strategy to provide the warfighter with a near-term, combat capability with increased, time-phased capability improvements as technology and risk achieve satisfactory levels. Northrop Grumman Corporation is the prime contractor.												
<b>E. Performance Metrics</b>												
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 2013 Air Force										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 675148: RQ-4 Preplanned Product Improvement (P3I)					
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Engineering Manufacturing and Development Due Regard	SS/CPIF	Northrop Grumman Integrated Systems:San Diego, CA	-	-		18.036	Dec 2012	-		18.036	165.203	183.239	TBD
Subtotal			-	-		18.036		-		18.036	165.203	183.239	
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Subtotal			-	-		-		-		-	0.000	0.000	0.000
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Flight Test & Evaluation	PO	AFFTC:Edwards AFB, CA	-	-		-		-		-	12.000	12.000	TBD
Subtotal			-	-		-		-		-	12.000	12.000	
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
PMA: A&AS	Various	Various:Dayton, OH	-	-		0.500	Oct 2012	-		0.500	5.280	5.780	TBD
PMA:Other Gov't Cost	Various	Various:Dayton, OH	-	-		0.500	Oct 2012	-		0.500	5.050	5.550	TBD
Subtotal			-	-		1.000		-		1.000	10.330	11.330	
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		19.036		-		19.036	187.533	206.569	

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2013 Air Force						<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>			<b>PROJECT</b> 675148: <i>RQ-4 Preplanned Product</i> <i>Improvement (P3I)</i>		
	<b>Total Prior Years Cost</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Remarks</b>								

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING	PROJECT 675148: RQ-4 Preplanned Product Improvement (P3I)

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Air Force			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	<b>PROJECT</b> 675148: <i>RQ-4 Preplanned Product Improvement (P3I)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Due Regard Development	1	2013	2	2017
Integ Flight Test	2	2017	4	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 676001: NATO AGS			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
676001: NATO AGS	-	82.906	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**Note**

In FY12, P018, NATO Alliance Ground Surveillance (AGS) efforts were transferred from PE 1001018D8Z, NATO AGS, P018, NATO AGS, to PE 0305220F, NATO AGS, Project 676001, NATO AGS in order to transfer control of this effort from OSD to the USAF.

In FY13, Project 676001, NATO AGS, efforts transferred to PE 0305238F, NATO AGS, Project 676001, NATO AGS, in order to manage NATO AGS as a separate program.

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

U.S. participation in NATO AGS was ratified by SECDEF signature of the NATO AGS Program Memorandum of Understanding (PMOU) in June 2009. The PMOU went into effect in Sept 2009. As the alliance implements this new core capability for critically short support to airborne surveillance, this program will mitigate requests for US forces to support these demands. The NATO AGS Program includes an air segment consisting of Global Hawk Block 40 Air vehicle, using elements of the BAMS command and control architecture and the MP-RTIP radar; a ground segment for data exploitation and distribution; establishment and operation of a management organization; development of operations and support concepts; and definition and establishment of an initial support capability. The program, managed by NATO AGS Management Agency (NAGSMA), is composed of: design, development and demonstration, as well as initial in-service support (IISS).

The AGS system will be a NATO-owned and operated airborne ground surveillance capability that provides continuous, wide area surveillance information in all weather conditions for use at the strategic, operational and tactical levels of command. Interoperable with other national assets, AGS will provide NATO decision makers with near real time, continuous information and situational awareness concerning friendly, neutral, and opposing ground forces to support mission planning and execution to include force protection and targeting. The NATO Staff Requirements (NSR), serving as the basis for the AGS acquisition was approved in 1997. After a series of studies, including options for a mixed fleet composed of manned and unmanned platforms, a decision was reached to pursue the acquisition of a UAV-only capability based on a Global Hawk (GH) Block 40 equipped with the US Multi-Platform Radar Technology Insertion Program (MP-RTIP) sensor. The AGS system will include six (6) NATO-developed, ground-based aircraft control equipment, and fixed and deployable data exploitation elements. This acquisition will be a direct commercial sale from Northrop Grumman International Systems Sector Inc. (NGISSI).

In September 2009, fifteen nations, including the US, signed the PMOU financially committing each participant to the procurement and delivery to the war fighter of the NATO Commander's number one priority. Denmark withdrew from the program in December 2010.

The Request for Proposal (RFP) was issued to NGISSII, Melbourne, the prime contractor in the consortia composed of NG Systems Corp. (USA), EADS (DEU), GDC (CAN), and GAV Selex (ITA). Upon delivery the NATO AGS fleet will operate from its Main Operating Base (MOB) at Sigonella Italy.



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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force							DATE: February 2012				
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development			R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING			PROJECT 676001: NATO AGS					
<p>This funding is the U.S. cost share for the acquisition of the NATO airborne ground surveillance capability as well as the cost share associated with the IISS. In-Service Support (ISS) will be contracted under separate action. It is anticipated that ISS costs will be commonly funded, using the NATO Security Investment Program (NSIP). This funding also includes developmental activity for MP-RTIP to include additional functionally and security requirements, studies and analysis supporting current and future program planning and project execution and engineering and program management support to NATO.</p> <p>In FY12, OSD transfers the NATO AGS project funding to the USAF for management and execution. The NATO AGS project funded the US share of the cost for NATO to acquire an air-to-ground ground surveillance capability and the US support of NATO activities.</p> <p>Operations and continuing support will be funded through a future NATO Military Commanders' Capability Package funded within the NATO Security Investment Program (NSIP).</p>											
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2011	FY 2012	FY 2013		
Title: Design/Develop NATO AGS							-	74.985	-		
Description: To provide US Government NATO AGS development funding											
FY 2012 Plans: To provide US Government NATO AGS development funding											
Title: Support the NATO AGS Management Agency (NAGSMA)							-	7.921	-		
Description: Establish and support a program office within NATO for AGS development and initial fielding. Serve as interface and US program office to the prime contractor for NATO AGS capability											
FY 2012 Plans: US contribution to NATO for AGS development acquisition and initial fielding											
Accomplishments/Planned Programs Subtotals							-	82.906	-		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cos
• N/A: RDT&E AF, PE 0305238F, NATO AGS	0.000	0.000	210.109	0.000	210.109	264.134	235.757	140.000	40.000	Continuing	Continuing

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Air Force		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	<b>PROJECT</b> 676001: <i>NATO AGS</i>
<p><b><u>D. Acquisition Strategy</u></b></p> <p>The US signed a multi-national PMOU committing the US government to NATO-derived cost shares of the AGS prime contract for design, development, demonstration, and initial production of the NATO AGS system. The supporting contract will be fixed price.</p> <p><b><u>E. Performance Metrics</u></b></p> <p>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.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force											DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 676001: NATO AGS					
Product Development (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
NATO AGS PMOU/Prime Contract	SS/FFP	Northrop Grumman Corp:Melbourne, FL	-	77.587	Feb 2012	-		-		-	0.000	77.587	0.000	
Subtotal			-	77.587		-		-		-	0.000	77.587	0.000	
Support (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
Subtotal			-	-		-		-		-	0.000	0.000	0.000	
Test and Evaluation (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
AFFTC Support	SS/TBD	US Air Force:Edwards AFB, CA	-	0.939	Feb 2012	-		-		-	0.000	0.939	0.000	
Subtotal			-	0.939		-		-		-	0.000	0.939	0.000	
Management Services (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
PMA: A&AS	C/CPFF	TBD:Various,	-	3.958	Feb 2012	-		-		-	0.000	3.958	0.000	
PMA: Other Gov't Cost	Various	TBD:Various,	-	0.422	Feb 2012	-		-		-	0.000	0.422	0.000	
Subtotal			-	4.380		-		-		-	0.000	4.380	0.000	
Remarks														
All data prior to FY12 is reported under PE 1001018D8Z, NATO AGS														

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 676001: NATO AGS			
	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	82.906		-		-		-	0.000	82.906	0.000

**Remarks**

In FY 2012, P018, NATO AGS, efforts were transferred from PE 1001018D8Z, NATO AGS, to PE 0305220F, project 676001, NATO AGS, in order to transfer control of this effort from OSD to the USAF.

In FY 2013, Project 676001, NATO AGS, efforts will transfer from PE 0305220F, NATO AGS, Project 676001, NATO AGS to PE 0305238F, NATO AGS, Project 676001, NATO AGS, in order to manage NATO AGS as a separate program.

All data prior to FY12 is reported under PE 1001018D8Z, NATO AGS.

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	PROJECT 676001: <i>NATO AGS</i>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Air Force			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	<b>PROJECT</b> 676001: <i>NATO AGS</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Contract Award	2	2012	2	2012
Design/Development	3	2012	4	2012

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				PROJECT 67RTIP: MP-RTIP			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
67RTIP: MP-RTIP	27.912	40.287	17.707	-	17.707	11.578	11.944	12.201	12.362	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note											
Total includes funding for Program Resource Collection Process (PRCP) Program Number (PNO) 293, MP-RTIP.											
The MP-RTIP program was previously funded by PE 0207450F (MP-RTIP) from FY05 through FY08. Beginning in FY09 funding was transferred to PE 0305220F (RQ-4) Global Hawk. Therefore, the data in this package includes only FY09 and subsequent funding related to PE 0305220F.											
A. Mission Description and Budget Item Justification											
The Multi Platform-Radar Technology Insertion Program (MP-RTIP) sensor was designed as a family of modular, scalable sensors that provide next generation capabilities to support sustainable network centric operations with integrated Command and Control Intelligence, Surveillance and Reconnaissance (C2ISR) capability. MP-RTIP provides the Global Hawk (GH) Block 40 aircraft advanced Synthetic Aperture Radar (SAR) and Moving Target Indicator (MTI) sensor capabilities.											
This project includes all MP-RTIP design, development, test, and integration efforts onto the GH Block 40 Platform. Integration activities include platform integration of the MP-RTIP sensor and sustainment support including logistics planning support. Future MP-RTIP studies and development insertion includes the implementation of maritime modes, airborne modes, electronic protection, technical refresh, product improvements and other advanced capabilities.											
The GH Block 40 development schedule was extended in Oct 11, moving IOT&E to FY14. The MP-RTIP program realigned workload under FY10 and FY11 funding to accommodate the extension. The FY12 funding request reflects the movement of planned radar software releases and Radar System Level Performance Verification (RSLPV) support activities. FY13 completes MP-RTIP sensor integration on Global Hawk, continues risk reduction activities, and starts planning and initial design work for MP-RTIP remaining requirements. Funding continues to provide MP-RTIP government acquisition support services necessary to complete MP-RTIP SDD, with emphasis on acquisition management, documentation delivery, EN oversight of System-Level Performance Verification (SLPV) and developmental contract closeout. MP-RTIP Other Government Costs also provide acquisition services for program office infrastructure, contract planning, and contract awards for remaining program requirements.											
Activities also include studies and analysis supporting current and future program planning and future modes development based on user requirements.											
This program is in Budget Activity 7, Operation System Development. It supports integration and testing of a developed sensor onto an operational platform.											
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2011	FY 2012	FY 2013	
Title: Development and integration								17.969	29.969	11.574	

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force		DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING	PROJECT 67RTIP: MP-RTIP		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
<b>Description:</b> MP-RTIP development and integration  <b>FY 2011 Accomplishments:</b> Initiated MP-RTIP RADAR integration on Global Hawk (GH) platform, continued incremental Functional Configuration Audit (FCA). Performed Physical Configuration Audit (PCA).  <b>FY 2012 Plans:</b> Continue Sensor platform integration of MP-RTIP on GH platform for Ground Moving Target Indicator(GMTI)/Synthetic Aperture Radar (SAR)/ Concurrent modes, plan software releases to GH, incremental FCA/PCA.  <b>FY 2013 Plans:</b> Will complete Sensor integration of MP-RTIP on GH platform for GMTI/SAR/Concurrent modes, including software release to GH, and FCA/PCA. Will initiate planning for additional modes for MP-RTIP based on user requirements.				
<b>Title:</b> Test & Evaluation  <b>Description:</b> MP-RTIP Test & Evaluation  <b>FY 2011 Accomplishments:</b> Completed Proteus testing. Initiated MP-RTIP sensor Test and Evaluation effort on GH including but not limited to ground and flight integration of sensor and air vehicle, test force support, range support, interoperability compliance and third-party performance reviews.  <b>FY 2012 Plans:</b> Continue MP-RTIP sensor Test and Evaluation effort on GH including but not limited to ground and flight integration of sensor and air vehicle, Radar System Level Performance Verification (RSLPV), test force support, range support, interoperability compliance, and third party reviews.  <b>FY 2013 Plans:</b> Complete MP-RTIP sensor Test and Evaluation on GH including but not limited to ground and flight integration of sensor and air vehicle, System Level Performance Verification (SLPV), test force and range support, interoperability compliance and third party performance reviews.		1.421	1.248	0.825
<b>Title:</b> IRT Study  <b>Description:</b> Independent Review of total MP-RTIP program  <b>FY 2011 Accomplishments:</b>		-	-	-



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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Air Force		<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	<b>PROJECT</b> 67RTIP: <i>MP-RTIP</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
Completed Independent Review of total MP-RTIP program				
<b>Title:</b> Logistics Planning  <b>Description:</b> MP-RTIP Depot Logistics Planning  <b>FY 2011 Accomplishments:</b> Continued to support GH Depot Planning by providing depot-level (D-Level) Logistics Management Information (LMI) summaries for, but not limited to, Maintenance Planning, Supply Support, Manpower, Personnel & Training, Provisioning Data, and Facilities.  <b>FY 2012 Plans:</b> Complete Support to GH Depot Planning by providing detailed D-Level Logistics Management Information (LMI) summaries for, but not limited to, Maintenance Planning, Supply Support, Manpower, Personnel & Training, Provisioning Data, Facilities, Packaging, Handling, Storage and Transportation (PHS&T), Post Production Support, Recommended Technical Manual Contract Requirement (TMCR).		1.800	2.100	-
<b>Title:</b> MP-RTIP Other Government Costs  <b>Description:</b> MP-RTIP Other Government Costs  <b>FY 2011 Accomplishments:</b> Continued to provide MP-RTIP Government acquisition support services including, but not limited to, Acquisition Management, EN oversight, and other Program Office Infrastructure.  <b>FY 2012 Plans:</b> Continue to provide MP-RTIP Government acquisition support services including, but not limited to, Acquisition Management, EN oversight, and other Program Office Infrastructure.  <b>FY 2013 Plans:</b> Continue to provide MP-RTIP government acquisition support services necessary to complete MP-RTIP SDD, with emphasis on acquisition management, documentation delivery, EN oversight of System-Level Performance Verification (SLPV) and developmental contract closeout. Also provides acquisition services for program office infrastructure, contract planning, and contract awards for remaining program requirements.		6.722	6.970	5.308
<b>Accomplishments/Planned Programs Subtotals</b>		27.912	40.287	17.707

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force			DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING		PROJECT 67RTIP: MP-RTIP	

**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u> <u>Base</u>	<u>FY 2013</u> <u>OCO</u>	<u>FY 2013</u> <u>Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• None: <i>N/A</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

**D. Acquisition Strategy**

Continue to fund a sole source CPFF multi-year development contract to continue integration and testing on Global Hawk Block 40 platform. Period of Performance (PoP) extension will be CPFF.

**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 2013 Air Force											DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT						
3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				PE 0305220F: GLOBAL HAWK DEVELOPMENT/FIELDING				67RTIP: MP-RTIP						
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
MP-RTIP	SS/CPFF	Northrop Grumman Integrated Systems:El Segundo, CA	109.889	29.969	Nov 2011	11.574	Nov 2012	-		11.574	237.212	388.644	TBD	
Subtotal			109.889	29.969		11.574		-		11.574	237.212	388.644		
Remarks														
FY11 Prime contract: Negotiating contract extension, CPFF.														
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
IRT Study	Various	Various:Various,	0.105	-		-		-		-	Continuing	Continuing	0.000	
Logistics Planning	SS/CPFF	Northrop Grumman Integrated Systems:El Segundo, CA	1.800	2.100	Nov 2011	-		-		-	Continuing	Continuing	0.000	
Subtotal			1.905	2.100		-		-		-			0.000	
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	
Joint Test Force, Edward AFB, Joint Interoperability Test Center, Navy, & IV&V	MIPR	Various:Various	7.229	1.248	Dec 2011	0.825	Dec 2012	-		0.825	Continuing	Continuing	TBD	
Subtotal			7.229	1.248		0.825		-		0.825				

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2013 Air Force											<b>DATE:</b> February 2012			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>				<b>PROJECT</b> 67RTIP: <i>MP-RTIP</i>						

  

<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
PMA: A&AS	C/Various	Various:Various,	19.002	5.796	Dec 2011	4.493	Oct 2012	-		4.493	Continuing	Continuing	TBD
PMA: Other Gov't Cost	Various	Various:Boston, MA	1.987	1.174	Oct 2011	0.815	Nov 2012	-		0.815	0.000	3.976	0.000
<b>Subtotal</b>			20.989	6.970		5.308		-		5.308			

  

			<b>Total Prior Years Cost</b>	<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			140.012	40.287		17.707		-		17.707			

  

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	PROJECT 67RTIP: <i>MP-RTIP</i>

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Air Force			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305220F: <i>GLOBAL HAWK</i> <i>DEVELOPMENT/FIELDING</i>	<b>PROJECT</b> 67RTIP: <i>MP-RTIP</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
PU1 Delivery to EAFB	1	2011	1	2011
Functional Configuration Audit (LAB/Qual/Flight)	1	2011	4	2012
MP-RTIP Depot Planning	1	2011	4	2012
Phase 2A - Integration	4	2011	2	2012
Phase 2B - RSLPV	2	2012	4	2012
Phase 2B - Regression	4	2012	1	2013
Phase 2B - Interoperability	1	2013	2	2013
Phase 3 - SLPV	3	2013	4	2013
Sustained Operations/IOT&E Readiness	4	2013	4	2013
Remaining Requirements	1	2014	4	2017