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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Air Force **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				PE 0604283F: <i>BMC2 Sensor Development</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	21.822	-	60.250	-	60.250	117.713	95.432	98.842	81.727	Continuing	Continuing
645363: <i>MP-RTIP</i>	21.822	-	-	-	-	-	-	-	-	Continuing	Continuing
646002: <i>Three Dimensional Expeditionary Long Range Radar</i>	-	-	60.250	-	60.250	117.713	95.432	98.842	81.727	Continuing	Continuing

Note

In FY 2010, Project 5363 Multi Platform-Radar Technology Insertion Program (MP-RTIP) efforts were transferred from PE 0207581F, PE Joint Surveillance Target Attack Radar System (JSTARS), Project 0003, in order to continue risk reduction on a Wide Area Surveillance (WAS) radar and to support Battle Management Command and Control (BMC2). Funding was consolidated in this PE concurrent with the termination of PE 0207450F (E-10) and because the verification effort is not platform dependent (i.e. not specific to PE 0207581F, JSTARS or PE 0305220F, RQ-4 UAV).

In FY 2012, Project 6002, Three Dimensional Expeditionary Long Range Radar (3DELRR), efforts were transferred from PE 0207412F, Control and Reporting Center, BPAC 675294, Theater Air Control System Improvement - Radar, in order to provide this pre-Major Defense Acquisition Program its own Program Element.

A. Mission Description and Budget Item Justification

Beginning in FY12, PE 0604238F funds the development of the Three-Dimensional Expeditionary Long-Range Radar (3DELRR) which will replace the current legacy AN/TPS-75 radar. 3DELRR will be the principal USAF long-range, ground-based sensor for detecting, identifying, tracking, and reporting aircraft and missiles in support of the Joint Forces Air Component Commander (JFACC) through the Ground Theater Air Control System (GTACS). The primary mission of the 3DELRR will be to provide long-range surveillance, control of aircraft, theater ballistic missile detection, and Combat Identification (CID). The 3DELRR will respond to the operational need to detect and report highly maneuverable, small radar cross section targets to enable battlespace awareness while at the same time mitigating the reliability, maintainability, and sustainability issues plaguing the AN/TPS-75 radar system. The 3DELRR will provide air controllers with a precise, real-time air picture of sufficient quality to conduct close control of individual aircraft under a wide range of environmental and operational conditions. In the case of theater missile defense operations, the 3DELRR will have the capability to detect, track, and disseminate target information to respective command and control nodes, such as the Control and Reporting Center (CRC), for warning and engagement. Similarly, the joint targeting process will benefit from trajectory information provided by the 3DELRR, including launch and impact locations.

Activities also include studies and analysis to support both current program planning and execution and future program planning.

In FY10, PE 0604283F funded investigation and development improving Wide Area Surveillance (WAS) capabilities, such as the Multi Platform-Radar Technology Insertion Program (MP-RTIP) airborne sensors, to support potential platforms including, but not limited to, E-8C Joint STARS. Activities included risk reduction and technology maturation in areas such as improved Kill Chain performance (processing, exploitation, and dissemination of sensor data) and improved Surface/Ground Moving Target Indicator (GMTI), Synthetic Aperture Radar (SAR), and other radar modes. This also included installed air mode capabilities, electronic protection,

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APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0604283F: <i>BMC2 Sensor Development</i>
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technology refresh and assessment, antenna scaling/open architecture design, mode software development, and installed system performance assessments. FY10 was the last year MP-RTIP was funded in this PE.

These programs are in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P) because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	22.612	-	-	-	-
Current President's Budget	21.822	-	60.250	-	60.250
Total Adjustments	-0.790	-	60.250	-	60.250
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.696	-			
• Other Adjustments	-0.094	-	60.250	-	60.250

Change Summary Explanation

In FY 2012, Project 6002, Three Dimensional Expeditionary Long Range Radar (3DELRR), efforts were transferred from PE 0207412F, Control and Reporting Center, BPAC 675294, Theater Air Control System Improvement - Radar, in order to provide this pre-Major Defense Acquisition Program its own Program Element.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force								DATE: February 2011				
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0604283F: BMC2 Sensor Development				PROJECT 645363: MP-RTIP				
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost	
645363: MP-RTIP	21.822	-	-	-	-	-	-	-	-	Continuing	Continuing	
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0			
Note In FY 2010, Project 5363, MP-RTIP efforts were transferred from PE 0207581F, Joint STARS, Project 0003, in order to continue risk reduction on a Wide Area Surveillance (WAS) radar and to support Battle Management Command and Control (BMC2).												
A. Mission Description and Budget Item Justification PE 0604283F funded the investigation and development of efforts to improve Wide Area Surveillance (WAS) capabilities. Activities included efforts to improve radar components, analyze integration of improved components, develop C2 solutions for GMTI platforms, and support future program planning. Improvement of radar sensors included efforts to enhance Surface/ Ground Moving Target Indicator (GMTI), Synthetic Aperture Radar (SAR), and other radar modes. This also included air mode capabilities, electronic protection, technology refresh and assessment, antenna scaling/open architecture design, air mode software development, and installed system performance assessments. Integrating enhanced radar systems to radar platforms requires risk reduction and technology maturation with the sensor, operation and control of the sensor, and integration of the sensor. Platform integration activities focused on weapon system integration analysis and risk reduction to address airframe areas such as thermal analysis, electrical power analysis, structural analysis and sensor radome design, and power generation baseline assessment. Battle Management Command and Control (BMC2) activities under this PE focused on operation and control of any sensor. These activities included risk reduction, architecture analysis, modeling and simulation, prototype designs and tools related to sensor and data management, data fusion and security, and computing architecture analysis to support mission execution capabilities. Finally, activities on the PE also included studies and analysis to support current program planning, execution, and future program planning. This program is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P) because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.												
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Risk Reduction Effort								12.197	-	-	-	-
Description: Support Global Hawk Block 40 DT/OT and other GMTI exploitation activities.												

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force				DATE: February 2011	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 ITEM NOMENCLATURE PE 0604283F: BMC2 Sensor Development		PROJECT 645363: MP-RTIP	
B. Accomplishments/Planned Programs (\$ in Millions)					
	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
FY 2010 Accomplishments: Initiated BMC2/GMTI exploitation activities to include risk reduction, architecture analysis, modeling and simulation, prototype designs and tools related to sensor and data management, data fusion and security, and computing architecture analysis to support Aerial ground surveillance mission execution capabilities.					
FY 2011 Plans:					
FY 2012 Base Plans:					
FY 2012 OCO Plans:					
Title: Studies and Analysis					
Description: Provide an analytical basis for investigating alternatives to replace, refurbish, or modernize JSTARS.					
FY 2010 Accomplishments: Started studies and analysis to support future GMTI, SAR and Battle Management capabilities. Included analysis of current platforms and technologies as well as potential replacement platforms and technologies.					
FY 2011 Plans:					
FY 2012 Base Plans:					
FY 2012 OCO Plans:					
Title: System Engineering/Technical Support					
Description: Managing analyses and assessments of industry technologies and systems.					
FY 2010 Accomplishments: Conducted systems engineering and technical oversight of associated contractor activity.					
FY 2011 Plans:					
FY 2012 Base Plans:					
FY 2012 OCO Plans:					
Accomplishments/Planned Programs Subtotals					
	21.822	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0604283F: <i>BMC2 Sensor Development</i>	PROJECT 645363: <i>MP-RTIP</i>	

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

<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u> <u>Base</u>	<u>FY 2012</u> <u>OCO</u>	<u>FY 2012</u> <u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• Activity Not Provided: <i>Title Not Provided</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

D. Acquisition Strategy

This acquisition strategy implemented risk reduction and technology maturation efforts to produce analyses, reports, and software that can be leveraged if/when any future development program is approved.

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 2012 Air Force											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
3600: Research, Development, Test & Evaluation, Air Force				PE 0604283F: BMC2 Sensor Development				645363: MP-RTIP					
BA 4: Advanced Component Development & Prototypes (ACD&P)													
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
Risk Reduction Effort	Various	Various:Various,	12.197	-		-		-		-	0.000	12.197	12.197
Subtotal			12.197	-		-		-		-	0.000	12.197	12.197
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
AoA Support	Various	Various:Various,	3.157	-		-		-		-	0.000	3.157	3.157
Subtotal			3.157	-		-		-		-	0.000	3.157	3.157
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
Not specified.	TBD	TBD:TBD,	-	-		-		-		-	0.000	0.000	0.000
Subtotal			-	-		-		-		-	0.000	0.000	0.000
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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 Management Support	Various	Various:Boston, MA	6.468	-		-		-		-	0.000	6.468	6.468
Subtotal			6.468	-		-		-		-	0.000	6.468	6.468
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			21.822	-		-		-		-	0.000	21.822	21.822
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0604283F: <i>BMC2 Sensor Development</i>	PROJECT 645363: <i>MP-RTIP</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0604283F: <i>BMC2 Sensor Development</i>	PROJECT 645363: <i>MP-RTIP</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
JSRM WAS Radar Risk Reduction	1	2010	4	2012
JSRM Radar Technology Refresh Risk Reduction	1	2010	4	2012
BMC2 Radar Technology Refersh	1	2010	3	2012
CRC BMC2 Prototype	1	2011	2	2012
Joint STARS Mission Area Support	3	2010	4	2011

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0604283F: BMC2 Sensor Development				PROJECT 646002: Three Dimensional Expeditionary Long Range Radar			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
646002: Three Dimensional Expeditionary Long Range Radar	-	-	60.250	-	60.250	117.713	95.432	98.842	81.727	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note In FY 2012, BPAC 646002, Three Dimensional Expeditionary Long Range Radar (3DELRR), efforts were transferred from PE 0207412F, Control and Reporting Center, BPAC 675294, Theater Air Control System Improvement - Radar, in order to provide this pre-Major Defense Acquisition Program its own Program Element.											
A. Mission Description and Budget Item Justification Beginning in FY12, PE 0604238F funds the development of the Three-Dimensional Expeditionary Long-Range Radar (3DELRR) which will replace the current legacy AN/TPS-75 radar. 3DELRR will be the principal USAF long-range, ground-based sensor for detecting, identifying, tracking, and reporting aircraft and missiles in support of the Joint Forces Air Component Commander (JFACC) through the Ground Theater Air Control System (GTACS). The primary mission of the 3DELRR will be to provide long-range surveillance, control of aircraft, theater ballistic missile detection, and Combat Identification (CID). The 3DELRR will respond to the operational need to detect and report highly maneuverable, small radar cross section targets to enable battlespace awareness while at the same time mitigating the reliability, maintainability, and sustainability issues plaguing the AN/TPS-75 radar system. The 3DELRR will provide air controllers with a precise, real-time air picture of sufficient quality to conduct close control of individual aircraft under a wide range of environmental and operational conditions. In the case of theater missile defense operations, the 3DELRR will have the capability to detect, track, and disseminate target information to respective command and control nodes, such as the Control and Reporting Center (CRC), for warning and engagement. Similarly, the joint targeting process will benefit from trajectory information provided by the 3DELRR, including launch and impact locations. In FY12, the 3DELRR Program will continue Technology Development (TD) Phase efforts with the Program Definition and Risk Reduction (PDRR) Period. Acquisition activities will include, but are not limited to, preliminary design development, software and hardware subsystem-level development, modeling and simulation to support system development, implementation of mitigation techniques to combat existing and emerging system threats (including cyber warfare), test planning, and execution of the program protection plan. The PDRR period will include System Requirements (SRR), System Functional (SFR) and Preliminary Design Reviews (PDR) leading to a single, mature system design. Activities also include continued development of Milestone B documentation as well as studies and analyses to support both current program planning and execution and future program planning.											
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Technology Development (TD) and Program Definition and Risk Reduction (PDRR)							-	-	49.953	-	49.953
Description: Technology Development (TD) Phase and Program Definition and Risk Reduction (PDRR) efforts associated with delivering a new long-range ground-based sensor.											

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force				DATE: February 2011				
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 ITEM NOMENCLATURE PE 0604283F: BMC2 Sensor Development		PROJECT 646002: Three Dimensional Expeditionary Long Range Radar				
B. Accomplishments/Planned Programs (\$ in Millions)				FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
FY 2010 Accomplishments:								
FY 2011 Plans:								
FY 2012 Base Plans:								
Technology Development (TD) Phase efforts with Program Definition and Risk Reduction (PDRR) Period work to develop a single system design. Acquisition activities during this PDRR Period will include, but are not limited to, preliminary design development, software and hardware subsystem-level development, modeling and simulation to support system development, implementation of mitigation techniques to combat existing and emerging system threats (including cyber warfare), test planning, and execution of the program protection plan. System Requirements (SRR), System Functional (SFR) and Preliminary Design Reviews (PDR) during this period will ensure that the program is heading toward a single, mature system design. Activities will also include continued development of Milestone B documentation as well as studies and analysis to support both current program planning and execution and future program planning.								
FY 2012 OCO Plans:								
Title: Test and Evaluation Support				-	-	0.469	-	0.469
Description: Test and Evaluation Support								
FY 2010 Accomplishments:								
FY 2011 Plans:								
FY 2012 Base Plans:								
Test and evaluation support activities will include, but not be limited to, development of the test strategy and test-related documentation, planning of future developmental test and evaluation events, information assurance planning, and participation in technical and test-related working groups.								
FY 2012 OCO Plans:								
Title: Systems Engineering/ Technical Support				-	-	9.828	-	9.828
Description: Systems Engineering/Technical Support								
FY 2010 Accomplishments:								
FY 2011 Plans:								

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force						DATE: February 2011					
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>			R-1 ITEM NOMENCLATURE PE 0604283F: <i>BMC2 Sensor Development</i>			PROJECT 646002: <i>Three Dimensional Expeditionary Long Range Radar</i>					
B. Accomplishments/Planned Programs (\$ in Millions)						FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	
<i>FY 2012 Base Plans:</i> Systems Engineering/Technical Support											
<i>FY 2012 OCO Plans:</i>											
Accomplishments/Planned Programs Subtotals						-	-	60.250	-	60.250	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• RDT&E: PE 0207412F	44.919	48.699	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
D. Acquisition Strategy											
The Three-Dimensional Expeditionary Long-Range Radar (3DELRR) Project is taking a single-step-to-full-capability acquisition approach via full and open competition to further advance C2 capabilities supporting battlefield command and control.											
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 2012 Air Force										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0604283F: BMC2 Sensor Development				PROJECT 646002: Three Dimensional Expeditionary Long Range Radar					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
Modeling & Simulation	SS/CPFF	MIT/Lincoln Laboratory:Lexington, MA	-	-		1.155	Mar 2012	-		1.155	Continuing	Continuing	TBD
System Threat Assessment	SS/CPFF	MITRE:Bedford, MA	-	-		0.316	Nov 2011	-		0.316	Continuing	Continuing	TBD
Program Definition & Risk Reduction	C/CPIF	TBD:,	-	-		48.482	Mar 2012	-		48.482	Continuing	Continuing	TBD
Subtotal			-	-		49.953		-		49.953			
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
System Engineering - A	SS/CPFF	MITRE:Bedford, MA	-	-		2.054	Oct 2011	-		2.054	Continuing	Continuing	TBD
System Engineering - B	SS/CPFF	MIT/Lincoln Laboratory:Lexington, MA	-	-		1.950	Jan 2012	-		1.950	Continuing	Continuing	TBD
System Engineering - C	MIPR	Naval Research Laboratory:Washington, DC	-	-		0.545	Nov 2011	-		0.545	Continuing	Continuing	TBD
System Engineering - D	SS/CPFF	Carnegie Mellon University:Pittsburgh, PA	-	-		0.390	Dec 2011	-		0.390	Continuing	Continuing	TBD
Technical Support	C/CPFF	Various:,	-	-		4.889	Dec 2011	-		4.889	Continuing	Continuing	TBD
Subtotal			-	-		9.828		-		9.828			
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
46th Test Wing/Other Test Activity	Various	Various:,	-	-		0.469	Oct 2011	-		0.469	Continuing	Continuing	TBD

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				R-1 ITEM NOMENCLATURE PE 0604283F: <i>BMC2 Sensor Development</i>				PROJECT 646002: <i>Three Dimensional Expeditionary Long Range Radar</i>					
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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			-	-		0.469		-		0.469			
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		60.250		-		60.250			
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0604283F: BMC2 Sensor Development	PROJECT 646002: Three Dimensional Expeditionary Long Range Radar

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0604283F: <i>BMC2 Sensor Development</i>	PROJECT 646002: <i>Three Dimensional Expeditionary Long Range Radar</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
3DELRR Program Definition and Risk Reduction (PDRR) phase	2	2012	2	2013
3DELRR Preliminary Design Review (TD Phase - PDRR)	1	2013	1	2013
3DELRR Milestone B	3	2013	3	2013
3DELRR Engineering and Manufacturing Development (EMD) Phase	3	2013	4	2016
3DELRR Critical Design Review (CDR)	4	2013	4	2013