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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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<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 0401218F: KC-135s
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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	19.887	6.161	-	-	-	-	-	-	-	Continuing	Continuing
675261: <i>KC-135 Upgrades</i>	19.887	6.161	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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

KC-135 CNS/ATM (Block 45) program – Block 45 addresses obsolescence and reliability and maintainability issues currently experienced by the KC-135 fleet. Funding supports a modification program performing analysis, testing, software development, prototyping, documenting source-data, and integration of a new Digital Flight Director (DFD), Radio Altimeter (RA), Autopilot (AP) and Electronic Engine Instrument Displays (EEID).

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
Previous President's Budget	20.453	6.161	-	-	-
Current President's Budget	19.887	6.161	-	-	-
Total Adjustments	-0.566	-	-	-	-
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-0.566	-	-	-	-

**Change Summary Explanation**

FY11 Congressional General Reduction of 0.566M in Other Adjustment row.

<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> Block 45 Engineering Manufacturing Development (EMD)	19.887	6.161	-
<b>Description:</b> Non-Recurring Engineering and test efforts/tasks for all Block 45 sub programs			
<b>FY 2011 Accomplishments:</b>			

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>											
Complete Formal Qualification Testing of system software to support Low Rate Initial Production and Operational Testing. Finish aircraft prototype kit development and install kits on two test aircraft. Initiate formal ground testing at contractors facilities followed by flight testing at Edwards AFB.							<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>		
<b>FY 2012 Plans:</b> Complete flight testing at Edwards AFB. Finalize Technical Orders (TOs), engineering technical data, and training development. Conduct aircrew and maintenance training for both developmental and operational test crews. Complete CNS/ATM compliance report and all reports and data required to support operational and airworthiness certification.											
<b>Accomplishments/Planned Programs Subtotals</b>							19.887	6.161	-		
<b>D. 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>
• APAF, PE 0401218F, KC-135: BLOCK 45	0.000	31.454	38.672	0.000	38.672	56.144	57.499	54.037	53.473	263.941	555.220
<b>E. Acquisition Strategy</b>											
Block 45 - The strategy is a sole-source contract with Rockwell Collins to accomplish the task of performing analysis, testing, software development, prototypes, documentation of source data, and integrating a new Digital Flight Director (DFD), digital Autopilot (AP), digital Radar Altimeter (RA), and Electronic Engine Instrument Display (EEID). Rockwell Collins will be responsible for acquiring the necessary information and personnel to integrate each item stated above into the KC-135 legacy systems and for developing and subcontracting the components.											
<b>F. 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-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 0401218F: <i>KC-135s</i>	PROJECT 675261: <i>KC-135 Upgrades</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 0401218F: <i>KC-135s</i>	<b>PROJECT</b> 675261: <i>KC-135 Upgrades</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Blk 45 Engineering Manufacturing Development (EMD) Phase	1	2011	4	2011
Blk 45 Critical Design Review Assessment	1	2011	1	2011
Blk 45 Prototype Installation	2	2011	4	2011
Blk 45 Developmental Test and Evaluation	4	2011	3	2012
Blk 45 Milestone C	4	2012	4	2012