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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2012 Office of Secretary Of Defense **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>							
0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>				PE 0603250D8Z: <i>Systems 2020 Advanced Technology Development</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	-	-	4.381	-	4.381	12.688	12.724	14.727	14.747	Continuing	Continuing
P211: <i>Systems 2020 Advanced Technology Development</i>	-	-	4.381	-	4.381	12.688	12.724	14.727	14.747	Continuing	Continuing

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

This is a new start in FY12. The Systems 2020 initiative will set the technical foundation the Department's system needs for the next decade. This initiative funds OSD and Service research, development and pilot efforts in key technologies and tools for design and development of complex systems. Systems 2020 will enable the Department of Defense to design and build a new class of adaptable systems that allow the warfighter to operate with far greater speed and agility to address changing threats, environments and missions.

Systems 2020 will provide tools, technologies and methods to accelerate delivery of complex adaptable systems to meet the warfighters' changing needs. Systems 2020 advanced technology development will demonstrate the concepts and technologies involved in efficient design and development of complex adaptive systems, assessing their feasibility and suitability for integration into overall system development methods.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	4.381	-	4.381
Total Adjustments	-	-	4.381	-	4.381
• Congressional General Reductions					
• Congressional Directed Reductions					
• Congressional Rescissions	-	-			
• Congressional Adds					
• Congressional Directed Transfers					
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• New Start Adjustments	-	-	4.500	-	4.500
• Defense Efficiency - Reports, Studies, Boards, and Commissions	-	-	-0.113	-	-0.113
• Economic Assumptions	-	-	-0.006	-	-0.006

**Change Summary Explanation**

This is a new start in FY12. The Systems 2020 initiative will set the technical foundation the Department's system needs for the next decade. This initiative funds OSD and Service research, development and pilot efforts in key technologies and tools for design and development of complex systems.

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Defense Efficiency – Report, Studies, Boards and Commissions. As part of the Department of Defense reform agenda, reflects a reduction in the number and cost of reports, studies, DoD Boards and DoD Commissions below the aggregate level reported in the previous budget submission.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2012 Office of Secretary Of Defense **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>				<b>PROJECT</b>			
0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>				PE 0603250D8Z: <i>Systems 2020 Advanced Technology Development</i>				P211: <i>Systems 2020 Advanced Technology 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
P211: <i>Systems 2020 Advanced Technology Development</i>	-	-	4.381	-	4.381	12.688	12.724	14.727	14.747	Continuing	Continuing

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

This is a new start in FY12. The Systems 2020 initiative will set the technical foundation the Department's system needs for the next decade. This initiative funds OSD and Service research, development and pilot efforts in key technologies and tools for design and development of complex systems. Systems 2020 will enable the Department of Defense to design and build an entirely new class of adaptable systems that allow the warfighter to operate with far greater speed and agility to address changing threats, environments and missions.

Systems 2020 will provide tools, technologies and methods to accelerate delivery of complex adaptable systems to meet the warfighters' changing needs. Systems 2020 advanced technology development will demonstrate the concepts and technologies involved in efficient design and development of complex adaptive systems, assessing their feasibility and suitability for integration into overall system development methods.

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

	FY 2010	FY 2011	FY 2012
<b>Title:</b> Systems 2020 Advanced Technology Development	-	-	4.381
<b>FY 2010 Accomplishments:</b> N/A			
<b>FY 2011 Plans:</b> N/A			
<b>FY 2012 Plans:</b> -Perform advanced technology development of Systems 2020 tools, technologies and methods to accelerate the delivery of complex adaptable systems. -Perform advanced technology development of systems analysis and design engineering tools to address a wide range of architectures and design drivers in the context of uncertain missions and threats. -Perform advanced technology development of Systems 2020 concept engineering and integrated modeling environments to enable rapid assessment of new material approaches and increase the productivity of engineering, design and production processes.			
<b>Accomplishments/Planned Programs Subtotals</b>	-	-	4.381

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603250D8Z: <i>Systems 2020 Advanced Technology Development</i>	<b>PROJECT</b> P211: <i>Systems 2020 Advanced Technology Development</i>

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

N/A

**D. Acquisition Strategy**

N/A

**E. Performance Metrics**

TBD