

Defense Contract Management Agency
RDT&E Descriptive Summaries Volume I
Fiscal Year (FY) 2009 Budget Estimates

Exhibit R-2, RDT&E Budget Item Justification							Date: February 2008	
APPROPRIATION/BUDGET ACTIVITY: 0400/05					R-1 ITEM 109 NOMENCLATURE Information Technology Development: 0605013BL			
COST (\$ in Millions)		FY07	FY08	FY09	FY10	FY11	FY12	FY13
Total PE Cost		10.963	11.225	11.611	11.868	12.211	12.569	12.937
Systems Modification and Development		10.963	11.225	11.611	11.868	12.211	12.569	12.937
Mission Description and Budget Item Justification This budget submission sustains our focus on Web-basing all new DCMA-unique software applications, and continues our push into Web Services software technology (i.e., machine-to-machine information exchanges between DCMA, our customers in the Military Services and Defense agencies, and the Defense industry, based upon the open-standard Extensible Markup Language [XML], Simple Object Access Protocol [SOAP], and so on). There are three primary reasons why DCMA is pursuing this direction. First, Web-based applications dramatically reduce the costs associated with fielding new software mission capabilities. (Only a limited handful of central servers need to be updated rather than thousands of employees' desktop computers.) Second, Web-basing and Web Services make DCMA's software applications much more adaptable to the ongoing and future changes in the Department's procurement and financial management systems that are being implemented in accordance with the Department's Business Enterprise Architecture. Third, DCMA has found that Web-based application development is substantially less expensive than traditional client/server or mainframe-based application development. One of the reasons why Web-based development is less expensive is that Web-basing applications allows DCMA to productively adapt large amounts of open source software packages with minimal or even zero acquisition and support costs. Also, this allows Military Services to achieve their desired real-time supply chain information "Reachback" capabilities that will extend all the way onto the factory floors where parts, components, and systems are being produced. All metrics tied to the funds in this exhibit have achieved a "green" status. <u>FY 2007 Actual:</u> In FY 2007(10.963)DCMA tested new DCMA-unique automated information application modules that will support: Defense Supply Chain "Reachback" via-the-Web capabilities; Public Key Infrastructure-enabled Web application modules; and development of FedEx-style wireless devices for Quality Assurance use in Defense material acceptance and remote data entry. Also funding included the continued testing and improving of DCMA's portals functionality for external and internal customers, and continued development and implementation of Web Services software technologies (e.g., Simple Object Access Protocol, Universal Discovery and Description Integration, Web Services Description Language). <u>FY 2008 - 2009 Plan:</u> In FY 2008 (\$11.225) and FY 2009 (\$11.628) DCMA will continue to test new DCMA-unique automated information application modules that will support: Defense Supply Chain "Reachback" via-the-Web capabilities; Public Key Infrastructure-enabled Web application modules; and development of FedEx-style wireless devices for Quality Assurance use in Defense material acceptance and remote data entry. Also funding includes the continuation of testing and improving DCMA's portals functionality for external and internal customers, and will continue developing and implementing Web Services software technologies (e.g., Simple Object Access Protocol, Universal Discovery and Description Integration, Web Services Description Language).								

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APPROPRIATION/BUDGET ACTIVITY: 0400/05				R-1 ITEM 109 NOMENCLATURE Information Technology Development: 0605013BL			
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A. Program Change Summary:							
	FY 07	FY 08	FY 09	FY 10			
Previous President's Budget	10.963	11.297	11.628	11.968			
Current BES/President's Budget	10.963	11.225	11.611	11.868			
Total Adjustments	0	-72	-17	-100			
Congressional Program Reductions		-72					
Congressional Program Adds							
Inflation Adjustments			-83	-100			
Inflation Savings			66				
Internal Realignment							
Program Adjustment							

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Exhibit R-2a, RDT&E Budget Item Justification					Date: February 2008		
APPROPRIATION/BUDGET ACTIVITY: 0400/05					R-1 ITEM 109 NOMENCLATURE Information Technology Development: 0605013BL		
COST (In Millions)	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13
Software Development	10.963	11.225	11.611	11.868	12.211	12.569	12.937
RDT&E Articles Quantity*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
A. Mission Description and Budget Item Justification This budget submission sustains our focus on Web-basing all new DCMA-unique software applications, and continues our push into Web Services software technology (i.e., machine-to-machine information exchanges between DCMA, our customers in the Military Services and Defense agencies, and the Defense industry, based upon the open-standard Extensible Markup Language [XML], Simple Object Access Protocol [SOAP], and so on). There are three primary reasons why DCMA is pursuing this direction. First, Web-based applications dramatically reduce the costs associated with fielding new software mission capabilities. (Only a limited handful of central servers need to be updated rather than thousands of employees' desktop computers.) Second, Web-basing and Web Services make DCMA's software applications much more adaptable to the ongoing and future changes in the Department's procurement and financial management systems that are being implemented in accordance with the Department's Business Enterprise Architecture. Third, DCMA has found that Web-based application development is substantially less expensive than traditional client/server or mainframe-based application development. One of the reasons why Web-based development is less expensive is that Web-basing applications allows DCMA to productively adapt large amounts of open source software packages with minimal or even zero acquisition and support costs. Also, this allows Military Services to achieve their desired real-time supply chain information "Reachback" capabilities that will extend all the way onto the factory floors where parts, components, and systems are being produced. All metrics tied to the funds in this exhibit have achieved a "green" status. <u>FY 2007 Actual:</u> In FY 2007(10.963) DCMA tested new DCMA-unique automated information application modules that will support: Defense Supply Chain "Reachback" via-the-Web capabilities; Public Key Infrastructure-enabled Web application modules; and development of FedEx-style wireless devices for Quality Assurance use in Defense material acceptance and remote data entry. Also funding included the continued testing and improving of DCMA's portals functionality for external and internal customers, and continued development and implementation of Web Services software technologies (e.g., Simple Object Access Protocol, Universal Discovery and Description Integration, Web Services Description Language). <u>FY 2008 - 2009 Plan:</u> In FY 2008 (\$11.225) and FY 2009 (\$11.628) DCMA will continue to test new DCMA-unique automated information application modules that will support: Defense Supply Chain "Reachback" via-the-Web capabilities; Public Key Infrastructure-enabled Web application modules; and development of FedEx-style wireless devices for Quality Assurance use in Defense material acceptance and remote data entry. Also funding includes the continuation of testing and improving DCMA's portals functionality for external and internal customers, and will continue developing and implementing Web Services software technologies (e.g., Simple Object Access Protocol, Universal Discovery and Description Integration, Web Services Description Language).							

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Exhibit R-2a, RDT&E Budget Item Justification (Continued)							Date: February 2008			
B. Accomplishments/Planned Program: (in 000s)										
						FY 07	FY 08	FY 09	FY 10	
Accomplishment/Effort/Subtotal Cost										
Information Technology Development-Software Development						10.963	11.225	11.611	11.868	
Reachback Web Network & Records Management Infrastructure						10.577	10.835	11.216	11.468	
Other						.386	.390	.395	.400	
RDT&E Article Quantity*						N/A	N/A	N/A	N/A	
Accomplishments:										
FY07 - 10: Develop and test IT solutions to improve DCMA management of its business, support evolving requirements for security, business architecture and electronic business, and improve the effectiveness and efficiency of DCMA through the use of automation to increase value to our Service and Defense Agency customers.										
C. Other Program Funding Summary:										
		FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	To Complete Cont	Total Cost Cont
Total P-1	PDW	3.244	2.078	2.149	2.197	2.261	2.327	2.396		
Total O&M		108.087	93.863	95.436	97.185	96.982	96.778	98.319		
D. Acquisition Strategy: Contractors are utilized to perform specialized functions such as software development and testing. A number of mini competitions are held with Federal Supply Schedule, Government Wide Acquisition Contracts, and DCMA Basic Purchasing Agreement Vendors.										
E. Major Performers:										
In FY07, software development and testing was contracted out to Wireless Facilities Incorporated (WFI) of Springfield, VA; Bearing Point of Springfield, VA; and Synergy of Washington, DC. WFI and Synergy are both small businesses. Award dates for software development are October 1 of each fiscal year.										

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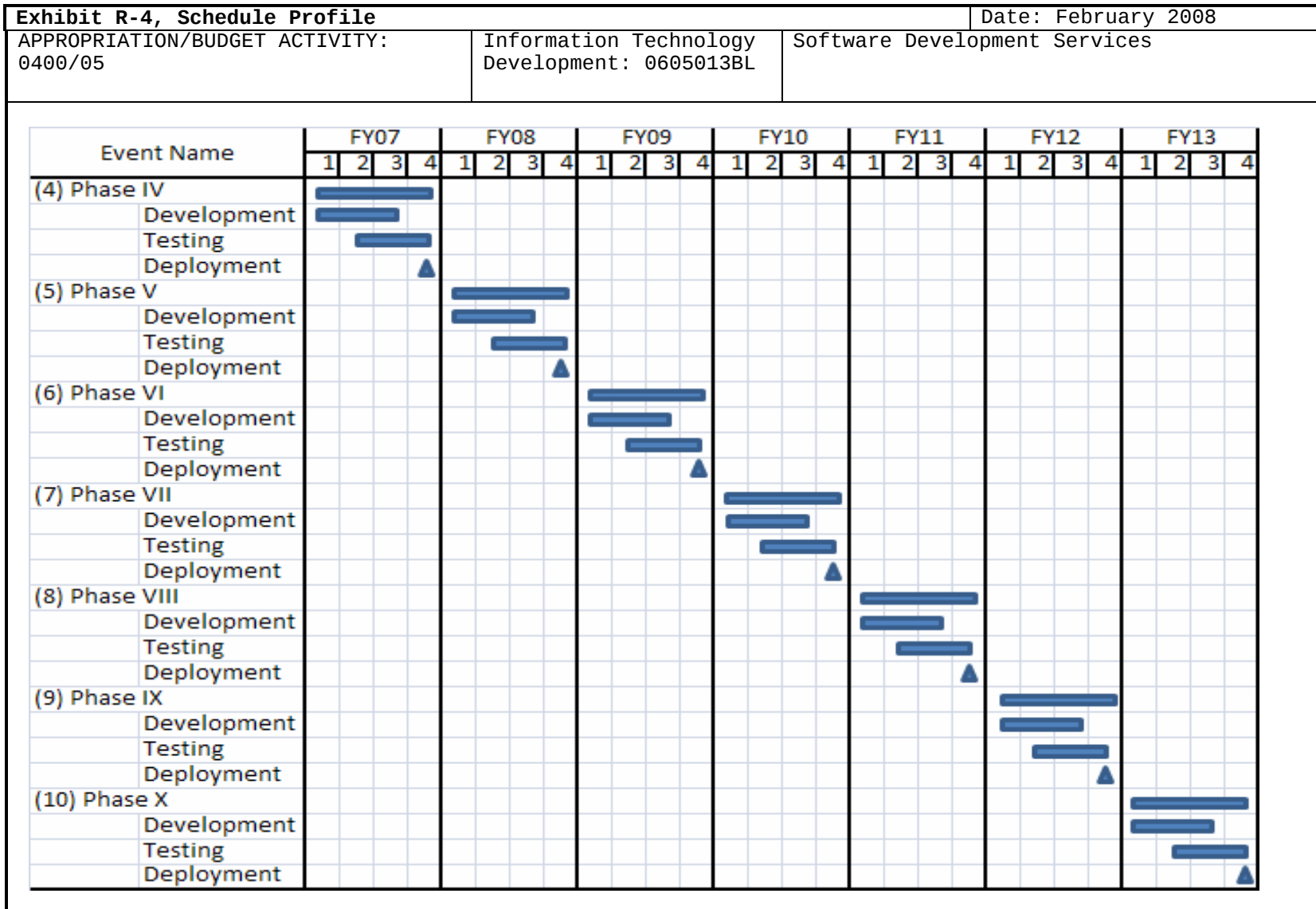
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Exhibit R-3 Cost Analysis											Date: February 2008			
APPROPRIATION/BUDGET ACTIVITY: 0400/05				Information Technology Development: 0605013BL			Systems Modification and Development							
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYS Cost	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award	FY 10 Cost	FY 10 Award	Cost to Complete	Total Cost	Target Value of Contract
Software Development	Various	Various	38.948	10.963	NLT 09/07	11.225	NLT 09/08	11.611	NLT 09/09	11.868	NLT 09/10	Cont.	Cont.	N/A
Remarks: DCMA Information Technology covers those efforts associated with the development of DCMA-unique mission software applications. DCMA will issue several contracts that will transform the current 21 DCMA -unique automated information systems into a more modern and more easily administered set of functionalities.														

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Exhibit R-4a, Schedule Detail					Date: February 2008		
APPROPRIATION/BUDGET ACTIVITY: 0400/05	Information Technology Development: 0605013BL				Software Development Services		
	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13
Phase III - Development							
Phase III - Testing							
Phase III - Deployment							
Phase IV - Development	1Q07						
Phase IV - Testing	2Q07						
Phase IV - Deployment	3-4Q07						
Phase V - Development		1Q08					
Phase V - Testing		2Q08					
Phase V - Deployment		3-4Q08					
Phase VI - Development			1Q09				
Phase VI - Testing			2Q09				
Phase VI - Deployment			3-4Q09				
Phase VII - Development				1Q010			
Phase VII - Testing				2Q010			
Phase VII - Deployment				3-4Q10			
Phase VIII - Development					1Q011		
Phase VIII - Testing					2Q011		
Phase VIII - Deployment					3-4Q11		
Phase IX - Development						1Q012	
Phase IX - Testing						2Q012	
Phase IX - Deployment						3-4Q12	
Phase X - Development							1Q013
Phase X - Testing							2Q013
Phase X - Deployment							3-4Q13