Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army	DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*

COST ($ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	17.729	9.817	14.290	0.000	14.290	0.000	2.184	0.000	0.000	0	58.310
091: *CBT SVC SPT CONTRL SYS*	17.267	9.817	14.290	0.000	14.290	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Battle Command Sustainment Support System (BCS3) is the logistics Command and Control (C2) solution for U.S. land forces. BCS3 provides commanders the capability to execute end-to-end distribution and deployment management and brings better situational awareness resulting in better decision-making capability to warfighters. It enables warfighters to target, access, scale and tailor critical logistics information in near-real time. BCS3 provides more effective means to gather and integrate asset and in-transit information to manage distribution and deployment missions. BCS3 combines distribution management to include commodity and convoy tracking, and deployment management into a logistics Common Operating Picture (COP) for one mission-focused visual display. BCS3 has been adopted and integrated into Joint and strategic logistics command and control processes. BCS3 is the only near-term end-to-end logistics COP solution for the Joint commander. BCS3 will maintain its core capabilities and continue to advance in development while integrating into the Joint command and control architecture. This continued development will enable decision superiority via advanced collaborative information sharing achieved through interoperability. BCS3 has immediate, high pay-off benefit to warfighters and additional future growth in its capabilities. BCS3 is a force multiplier, a precision tool for logistics planning and execution that provides warfighters with the necessary tools to succeed.

B. Program Change Summary ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	17.729	9.868	0.000	0.000	0.000
Current President's Budget	17.729	9.817	14.290	0.000	14.290
Total Adjustments	0.000	-0.051	14.290	0.000	14.290
• Congressional General Reductions		-0.051			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Adjustments to Budget Years	0.000	0.000	14.290	0.000	14.290

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army										DATE: February 2010	

APPROPRIATION/BUDGET ACTIVITY
2040: *Research, Development, Test & Evaluation, Army*
BA 4: *Advanced Component Development & Prototypes (ACD&P)*

R-1 ITEM NOMENCLATURE
PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*

PROJECT
091: *CBT SVC SPT CONTRL SYS*

COST ($ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
091: *CBT SVC SPT CONTRL SYS*	17.267	9.817	14.290	0.000	14.290	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Battle Command Sustainment Support System (BCS3) is the logistics Command and Control (C2) solution for U.S. land forces. BCS3 provides commanders the capability to execute end-to-end distribution and deployment management and brings better situational awareness resulting in better decision-making capability to warfighters. It enables warfighters to target, access, scale and tailor critical logistics information in near-real time. BCS3 provides more effective means to gather and integrate asset and in-transit information to manage distribution and deployment missions. BCS3 combines distribution management to include commodity and convoy tracking, and deployment management into a logistics Common Operating Picture (COP) for one mission-focused visual display.   BCS3 has been adopted and integrated into Joint and strategic logistics command and control processes. BCS3 is the only near-term end-to-end logistics COP solution for the Joint commander. BCS3 will maintain its core capabilities and continue to advance in development while integrating into the Joint command and control architecture. This continued development will enable decision superiority via advanced collaborative information sharing achieved through interoperability. BCS3 has immediate, high pay-off benefit to warfighters and additional future growth in its capabilities. BCS3 is a force multiplier, a precision tool for logistics planning and execution that provides warfighters with the necessary tools to succeed.

B. Accomplishments/Planned Program ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1	0.748	0.755	0.769	0.000	0.769
Program Office Management					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					

Exhibit R-2A, **RDT&E Project Justification:** PB 2011 Army		**DATE:** February 2010
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*	**PROJECT** 091: *CBT SVC SPT CONTRL SYS*

B. Accomplishments/Planned Program ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 Base Plans: FY 2011 Base *FY 2011 OCO Plans:* FY 2011 OCO					
Program #2 Battle Command (BC) Migration *FY 2009 Accomplishments:* FY 2009 *FY 2010 Plans:* FY 2010 *FY 2011 Base Plans:* FY 2011 Base *FY 2011 OCO Plans:* FY 2011 OCO	14.845	7.803	11.371	0.000	11.371
Program #3 Systems Engineering and Test *FY 2009 Accomplishments:* FY 2009	1.674	1.259	2.150	0.000	2.150

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*	**PROJECT** 091: *CBT SVC SPT CONTRL SYS*

B. Accomplishments/Planned Program ($ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2010 Plans: FY 2010 *FY 2011 Base Plans:* FY 2011 Base *FY 2011 OCO Plans:* FY 2011 OCO					
Program #4 Small Business Innovative Research/Small Business Technology Transfer Programs. *FY 2009 Accomplishments:* FY 2009 *FY 2010 Plans:* FY 2010 *FY 2011 Base Plans:* FY 2011 Base *FY 2011 OCO Plans:* FY 2011 OCO	0.000	0.000	0.000	0.000	0.000
Accomplishments/Planned Programs Subtotals	17.267	9.817	14.290	0.000	14.290

Exhibit R-2A, **RDT&E Project Justification:** PB 2011 Army		**DATE:** February 2010
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*	**PROJECT** 091: *CBT SVC SPT CONTRL SYS*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• Ord. #1: *Procurement, OPA 2 (W34600)*	36.720	31.883	25.886	0.420	26.306	12.476	12.253	0.000	0.000	Continuing	Continuing

D. Acquisition Strategy

In accordance with the TRADOC requirements document approved in 2008, entitled Battle Command Essential Capability, software capability will be developed in 2-year increments as capability sets designed to Collaborate, Collapse and Converge Battle Command products. The product development funded under this R-Form is an integral part of the Army Battle Command System (ABCS), a system of systems, under a strategy designed to optimize opportunity for improved interoperability among the systems, to capture the benefits of competition where possible and to ensure the rapid integration of new capability into warfighter systems. This strategy is designed to reduce the physical footprint, logistics support requirements and increase operational efficiency.

E. Performance Metrics

Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*	**PROJECT** 091: *CBT SVC SPT CONTRL SYS*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010 Cost	FY 2010 Award Date	FY 2011 Base Cost	FY 2011 Base Award Date	FY 2011 OCO Cost	FY 2011 OCO Award Date	FY 2011 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	SS	Northrop Grumman Carson, CA	136.812	7.354		0.000		0.000		0.000	Continuing	Continuing	168.482
Software Development - 2	C/CPAF	TBD Location could not be determined.	0.000	0.500		11.559		0.000		11.559	Continuing	Continuing	0
Software Development - 3	SS	Tapestry Solutions San Diego, CA	13.262	0.000		0.000		0.000		0.000	Continuing	Continuing	13.262
Training Development	C	Lockheed Martin Tinton Falls, NJ	13.514	0.000		0.000		0.000		0.000	Continuing	Continuing	13.514
ABCS SE&I Effort	C	PEO C3T Ft. Monmouth, NJ	7.686	0.000		0.000		0.000		0.000	Continuing	Continuing	7.686
GFE	C	Various Location could not be determined.	3.601	0.000		0.000		0.000		0.000	Continuing	Continuing	3.601
Subtotal			174.875	7.854		11.559		0.000		11.559			206.545

Remarks

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010 Cost	FY 2010 Award Date	FY 2011 Base Cost	FY 2011 Base Award Date	FY 2011 OCO Cost	FY 2011 OCO Award Date	FY 2011 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Technical Support	C	L3	8.321	0.361		0.375		0.000		0.375	Continuing	Continuing	9.404

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army		DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*	PROJECT 091: *CBT SVC SPT CONTRL SYS*

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
		Ft. Lee, VA											
CECOM, Matrix	C	Ft. Monmouth NJ & Ft. Belvoir, VA	5.154	0.000		0.000		0.000		0.000	0	5.154	5.154
Acquisition Support	C	LMI McLean, VA	1.075	0.000		0.000		0.000		0.000	0	1.075	1.075
		Subtotal	14.550	0.361		0.375		0.000		0.375			15.633

Remarks

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Systems Engineering and Test	SS	Northrop Grumman Carson, CA	0.000	1.259		0.000		0.000		0.000	Continuing	Continuing	5.479
Systems Engineering and Test - 2	C/CPAF	TBD Location could not be determined.	0.000	0.000		2.150		0.000		2.150	Continuing	Continuing	0
GOVT	C	VARIOUS Location could not be determined.	5.575	0.000		0.000		0.000		0.000	Continuing	Continuing	5.575
Dev. Testing & Eval.	C	EPG	1.028	0.000		0.000		0.000		0.000	Continuing	Continuing	1.028

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*	**PROJECT** 091: *CBT SVC SPT CONTRL SYS*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010 Cost	FY 2010 Award Date	FY 2011 Base Cost	FY 2011 Base Award Date	FY 2011 OCO Cost	FY 2011 OCO Award Date	FY 2011 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		VARIOUS											
Oper. Testing	C	ATEC VARIOUS	2.633	0.000		0.000		0.000		0.000	Continuing	Continuing	2.633
		Subtotal	9.236	1.259		2.150		0.000		2.150			14.715

Remarks

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010 Cost	FY 2010 Award Date	FY 2011 Base Cost	FY 2011 Base Award Date	FY 2011 OCO Cost	FY 2011 OCO Award Date	FY 2011 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Management	C	Ft. Belvoir VA	27.647	0.394		0.394		0.000		0.394	Continuing	Continuing	31.561
		Subtotal	27.647	0.394		0.394		0.000		0.394			31.561

Remarks

	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	226.308	9.868		14.478		0.000		14.478			268.454

Exhibit R-3, **RDT&E Project Cost Analysis:** PB 2011 Army | **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*	091: *CBT SVC SPT CONTRL SYS*

	Total Prior Years Cost	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract

Remarks

Army

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*	**PROJECT** 091: *CBT SVC SPT CONTRL SYS*

	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PM Battle Command Capability Set 13-14 Software Development					#	#	#	#	#	#	#	#	#															
PD BCS3 Capability Set 13-14 Software Development						#	#	#	#	#	#																	
PM Battle Command Capability Set 15-16 Software Development													#	#	#	#	#	#	#	#	#							
PM Battle Command Capability Set 17-18 Software Development																					#	#	#	#	#	#	#	#

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603805A: *Combat Service Support Control System Evaluation and Analysis*	**PROJECT** 091: *CBT SVC SPT CONTRL SYS*

Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
PM Battle Command Capability Set 13-14 Software Development	1	2010	1	2012
PD BCS3 Capability Set 13-14 Software Development	2	2010	3	2011
PM Battle Command Capability Set 15-16 Software Development	1	2012	1	2014
PM Battle Command Capability Set 17-18 Software Development	1	2014	4	2015