

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

May 2009

BUDGET ACTIVITY
5 - System Development and Demonstration

PE NUMBER AND TITLE
0604817A - Combat Identification

COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
482 Ground Combat Identification	10866	10873	20070		41809

A. Mission Description and Budget Item Justification: Combat Identification (CID) is a system to maximize overall combat effectiveness by minimizing and mitigating incidents of fratricide and maximizing the situational understanding of the trigger puller across a broad spectrum of Joint and Coalition vehicles. This is achieved by rapid, reliable identification of friends, enemies/foes, and neutrals in the Joint and Coalition battle space. Joint Cooperative Target ID-Ground (JCTI-G) supports the development of mounted ground-to-ground (G-G) CID solutions for the current force, while insuring interoperability with the Future Combat System (FCS) and air-to-ground (A-G) solutions, which is an Army's gap for CID. The plan is to assess the most cost effective solution for air-to-ground CID.

FY10 supports JCTI-G efforts for A-G and G-G. Efforts include preparation for Post MDD acquisition planning for solicitation and entry into TD/EMD phase developmental contracts for G-G and implementation of an A-G capability with US Army air platforms.

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<u>B. Program Change Summary</u>	FY 2008	FY 2009	FY 2010
Previous President's Budget (FY 2009)	11290	10909	
Current BES/President's Budget (FY 2010)	10866	10873	20070
Total Adjustments	-424	-36	20070
Congressional Program Reductions		-36	
Congressional Recissions			
Congressional Increases			
Reprogrammings	-108		
SBIR/STTR Transfer	-316		
Adjustments to Budget Years			327

Program Summary Explanation: Funding - FY 2010 funding (\$327 thousand) realigned to higher priority requirements.

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<u>Accomplishments/Planned Program:</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Preparation for JCTI-G, G-G Milestone (MS)	1000	1000	1500
Initiate JCTI-G, G-G Technology Development (TD)/Engineering & Manufacturing Development (EMD)		1000	4000
JCTI-G, G-G Risk Reduction Effort	9866	4589	
Execute JCTI-G, G-G TD/EMD		2979	
Air-to-Ground Risk Reduction Efforts		1000	
Preparation for JCTI-G, A-G Milestone (MS)			1500
Initiate JCTI-G (A-G) TD/EMD			13070
Small Business Innovative Research/Small Business Technology Transfer Programs		305	
Total	10866	10873	20070

<u>B. Other Program Funding Summary</u>	FY 2008	FY 2009	FY 2010	To Compl	Total Cost
OPA2, SSN BA0510 Combat Identification Program	4199			Continuing	Continuing

Comment:

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C. Acquisition Strategy D. Acquisition Strategy: Revised in accordance with the 2 December 2008 revision to the DoD Acquisition System (DoD Instruction 5000.02). JCTI-G, G-G will be a joint Army and Marine Corps acquisition beginning with risk reduction efforts followed by a solicitation of a competitive Technology Development/Engineering & Manufacturing Development (TD/EMD) cost-plus contract award to baseline a design consistent with the JCTI-G Capability Description Document (CDD). The TD phase will proceed to a system Preliminary Design Review (PDR). A successful PDR and a final approved CDD will be part of the criteria required for a Milestone B Decision and entry into the EMD phase of the program. The result will be a baseline system configuration for production. The JCTI-G, A-G begins with the development of a program execution plan, integration analysis and preparation for a milestone decision. A MS decision is based on the requirements as set forth in the JCTI-G CDD. The TD/EMD phase for A-G will develop, integrate and test the capability on multiple platforms.

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY 5 - System Development and Demonstration			PE NUMBER AND TITLE 0604817A - Combat Identification								PROJECT 482	
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
B-Kit Development	C/CPAF	TRW, CA	69765								69765	69765
A-Kit Development (Abrams)	C/CPFF	GDLS, MI	10909								10909	10909
A-Kit Development (Bradley)	C/CPFF	UDLP, CA	3364								3364	3364
A-Kit Development (Various)	Misc.	E&S, TRW, UDLP, AM General, Raytheon.	5836								5836	5836
Air-to-Ground Efforts	MIPR	I2WD Ft. Monmouth, NJ	2206								2206	
Air-to-Ground Solution Efforts	MIPR	Sandia National Labs/DOE Albuquerque, NM	550								550	
Combat Identification International Efforts	C/CPFF	Raytheon Ft. Wayne, IN	415								415	
BTID Cost Reduction Efforts	FFP	Raytheon Ft. Wayne, IN	6745								6745	
RF Tags Program Efforts	MIPR	I2WD Ft. Monmouth, NJ	2023								2023	
RF Tag Prototypes	C/CPFF	BAE Nashua, NH	800								800	
JCTI-G, G-G MS B Documentation	MIPR	CE LCMC/Support Contractors		500	1-4Q	500	1-4Q				1000	
JCTI-G, G-G Risk Reduction	C/CPFF	Raytheon, Ft. Wayne, IN		3000	4Q	297	2Q				3297	
JCTI-G, G-G Risk Reduction	C/CPFF	SRC, Syracuse, NY		2400	4Q	570	2Q				2970	
JCTI-G, G-G Risk Reduction	C/CPFF	BAE, Greenlawn, NJ		2000	4Q	1310	2Q				3310	
Air-to-Ground MS B Preparation	MIPR	CE LCMC				1000	1-4Q				1000	
JCTI-G, A-G - MS Preparation/Initiate TD/EMD	MIPR	PM, AAH, Huntsville, AL						6434	1-4Q		6434	
JCTI-G, A-G - MS Preparation/Initiate TD/EMD	MIPR	PEO Aviation, PMs, Huntsville, AL						8063	1-4Q		8063	
											11562	

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May 2009

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Subtotal:				102613	7900		3677		14497		140249	89874

II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Matrix Support	MIPR	CE LCMC, I2WD, Fort Monmouth NJ	8467	835	1Q	2767	1Q	1230	1Q		14974	
System Eng/Tech Assistance	MIPR	COLSA, Falls Church, VA; Tecolote, VA; LM/Sytex, CACI, Eatontown, NJ	7838	1104	1Q	2736	3Q	2866	1Q		14544	
Test Planning	MIPR	CERDEC, Fort Monmouth NJ	437	645	1-4Q	1250					5632	
Technical Support	MIPR	Sandia National Laboratories/IDA Albuquerque, NM	570								1770	
Subtotal:			17312	2584		6753		4096			36920	

III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test, Log Demo, SCD, IOTE		ATEC, TBD	3513								3513	
Limited User Test		ATEC, YPG, AZ	673								673	
ASCIET		Misc.	6651								6651	
Subtotal:			10837								10837	

IV. Management Services	Contract	Performing Activity &	Total	FY 2008	FY 2008	FY 2009	FY 2009	FY 2010	FY 2010	Cost To	Total	Target
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May 2009

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	Method & Type	Location	PYs Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Complete	Cost	Value of Contract
Program Management	In-house support	PM NavSys/PM TIMS, Ft. Monmouth, NJ	6335	382	1-4Q	443	1-4Q	1477	1-4Q		10837	
Subtotal:			6335	382		443		1477			10837	
Project Total Cost:			137097	10866		10873		20070			198843	89874

Schedule Profile (R4 Exhibit)

May 2009

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Event Name	FY 08				FY 09				FY 10				FY 11				FY 12				FY 13				FY 14				FY 15			
	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	1	2	3	4
JCTI-G, (G-G) Milestone (MS)									JCTI-G, (G-G) MS Preparation																							
JCTI-G (G-G) Initiate TD/EMD									JCTI-G, (G-G) Initiate TD/EMD																							
JCTI-G, (G-G) Request for Proposal Prep													JCTI-G, (G-G) Request for Proposal Prep																			
(1) JCTI-G, (G-G) Milestone																					▲ JCTI-G, (G-G) Milestone											
Execute JCTI-G, (G-G) TD/EMD																					Execute JCTI-G, (G-G) TD/EMD											
JCTI-G (A-G) Milestone Preparation																	JCTI-G (A-G) Milestone Preparation															
(2) JCTI-G, (A-G) Milestone																					▲ JCTI-G, (A-G) Milestone											
Execute JCTI-G, (A-G) TD/EMD																					Execute JCTI-G, (A-G) TD/EMD											

Schedule Detail (R4a Exhibit)

May 2009

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<u>Schedule Detail</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>
BTID Cost Reduction Studies								
JCTI-G, (G-G) Milestone (MS)			1Q - 4Q					
JCTI-G (G-G) Initiate TD/EMD			1Q - 4Q	1Q - 2Q				
JCTI-G, (G-G) Request for Proposal Prep			1Q - 4Q	1Q - 2Q				
JCTI-G, (G-G) Milestone				2Q				
Execute JCTI-G, (G-G) TD/EMD				3Q - 4Q	1Q - 4Q	1Q - 4Q		
JCTI-G (A-G) Milestone Preparation			1Q - 4Q					
JCTI-G, (A-G) Milestone				1Q				
Execute JCTI-G, (A-G) TD/EMD				1Q - 4Q	1Q - 4Q	1Q - 4Q		