	ARMY RDT&E BUDGET IT	TEM JU	STIFIC	ATION	I	February 2006						
_	GET ACTIVITY Operational system development	PE NUMBER A 0208053A -			PROJECT 635							
	COST (In Thousands)	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost			
635	JOINT TACT GRD STATION-P3I(TIARA)	9817	12670	15044	23644	7968	19274	7986	0	108775		

A. Mission Description and Budget Item Justification: This program element supports development of critical improvements and insertion of technological upgrades to the Joint Tactical Ground Station (JTAGS) and research and development of the JTAGS replacement, the Multi-Mission Mobile Processor (M3P). JTAGS is a transportable information processing system that receives and processes in-theater, direct down-linked data from Defense Support Program (DSP) satellites. JTAGS disseminates warning, alerting, and cueing information on Tactical Ballistic Missiles (TBMs) and other tactical events of interest throughout the theater using existing communication networks. This program is designated as a DoD Space program. JTAGS is designated the in-theater element of the United States Strategic Command's Theater Event System. JTAGS supports all Theater Missile Defense pillars and by being located in-theater, provides the shortest sensor to shooter connectivity. JTAGS is required to remain viable through FY11/12. The objectives of the improvements are to upgrade JTAGS to the Multi-Mission Mobile Processor (M3P) configuration for operation with the next generation of the space based infrared satellites, Space Based Infrared System (SBIRS), and to improve system accuracy and timeliness. The M3P development for the SBIRS is a cooperative (joint interest) developmental effort with the U.S. Air Force. JTAGS today and M3P in the future are an integral part of the Integrated Air & Missile Defense (IAMD) System of Systems (SoS) architecture.

Accomplishments/Planned Program	FY 2005	FY 2006	FY 2007
Continue Block I & Begin Block II M3P Integrated Product and Process Development (IPPD)	6648	6617	7240
Continue Block I & Begin Block II M3P Development	2065	6028	7804
Continue Block I M3P Test & Evaluation Support	1104	25	0
Total	9817	12670	15044

ARMY RDT&E BUDGET IT	TEM JUSTIFIC	CATION	(R2 Ex	hibit)	February 2006
BUDGET ACTIVITY 7 - Operational system development	ре NUMBEI 0208053 А	PROJECT 635			
B. Program Change Summary	FY 2005	FY 2006	FY 2007		
Previous President's Budget (FY 2006)	9822	12854	14817		
Current BES/President's Budget (FY 2007)	9817	12670	15044		
Total Adjustments	-5	-184	227		
Congressional Program Reductions		-56			
Congressional Rescissions		-128			
Congressional Increases					
Reprogrammings					
SBIR/STTR Transfer					
Adjustments to Budget Years	-5		227		

C. Other Program Funding Summary	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost
BZ8420 Joint Tactical Ground Station Mods (JTAGS)	0	7559	329	0	0	7309	5649	CONT	CONT
BZ8430 JTAGS M3P Institutional Training Equipment	0	4932	9523	0	0	0	0	CONT	CONT

Comment:

D. Acquisition Strategy Under this program element, critical improvements will be developed making maximum use of Non-Developmental Items(NDI)/Commercial Off-The-Shelf (COTS) elements. After design and integration, the system will be subject to thorough developmental and operational testing to verify performance and operational effectiveness and suitability. M3P Block I and Block II are joint interest developmental efforts with the U.S. Air Force and involve cost sharing of the acquisition. All Block I (referred to as DSP Only M3P (DM3P)) activities (including development and testing) were cancelled and resources refocused to maintain viability of JTAGS and rebaseline of Block II (formerly referred to as SBIRS High Geosynchronous M3P activities).

	&E COS'	ΓANALYSIS	(R3)					February	y 2006			
BUDGET ACTIVITY 7 - Operational system de	velopment			ER AND TIT A - Joint		1	PROJECT 635					
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development	C/CPAF	Lockheed / Sunnyvale, CA	27436	1755	1Q	0		2917	1Q	Continue	31335	Continue
Engineering Services	C/CPFF	Northrup Grumman/ Azusa, CA	4766	310	1Q	6028	1Q	5087	1Q	0	15881	0
In-House IPPD	N/A	Various	15965	2641		2505		2996		Continue	21476	Continue
Contractor Engineering IPPD Support	C/CPFF	Various	11257	2373	2Q	2500	2Q	2500	2Q	Continue	17140	Continue
Government Engineering IPPD	N/A	Various	14023	1426		1404		1544		Continue	16318	Continue
Government Furnished Equipment	N/A	Various	711	208		208		0		0	927	0
Subto	tal:		74158	8713		12645		15044		Continue	103077	Continue
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date		Total Cost	Value of
II. Support Costs Subtot	Method & Type				Award		Award		Award			Value of
	Method & Type tal:	Location Performing Activity &	PYs Cost 0 Total	Cost FY 2005	Award Date	Cost FY 2006	Award Date	Cost FY 2007	Award Date	Complete Cost To	Cost	Target Value of Contract
Subtot	Method & Type tal:	Location	PYs Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Complete Cost To	Cost	Value of Contract Target Value of Contract
Subtot	Method & Type tal: Contract Method &	Location Performing Activity &	PYs Cost 0 Total	Cost FY 2005	Award Date FY 2005 Award	Cost FY 2006	Award Date FY 2006 Award	Cost FY 2007	Award Date FY 2007 Award	Complete Cost To	Cost	Value of Contract
Subtoo III. Test And Evaluation	Method & Type tal: Contract Method & Type	Performing Activity & Location White Sands Missile	PYs Cost Total PYs Cost 590 1720	Cost FY 2005 Cost	Award Date FY 2005 Award	Cost FY 2006 Cost	Award Date FY 2006 Award	Cost FY 2007 Cost	Award Date FY 2007 Award	Complete Cost To Complete	Cost Total Cost	Value of Contract Target Value of Contract

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Exhibit R-3 ARMY RDT&E COST ANALYSIS

	OT&E COS				February 2006							
BUDGET ACTIVITY 7 - Operational syste	m developmen	t	PE NUMBI 0208053					CT				
Aberdeen	MIPR	Aberdeen Proving Grounds, MD	0	22		25		0		Continue	47	(
	Subtotal:	•	2668	1104		25		0		Continue	3797	Continue
IV. Management Servic	Method &		Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac
	Type Subtotal:		0		Date		Date		Date			Contrac
Project T	otal Cost:		76826	9817		12670		15044		0	106874	(

Schedule Profile (R4 Exhibit))																	February 2006										
BUDGET ACTIVITY 7 - Operational system development		PE NUMBER AND TITLE 0208053A - Joint Tactical Ground System										PROJECT 635																
Event Name		FY 0			FY			FY 07				FY 08			FY 09			FY 1					-	Y 11				
(1) DSP Only) Multi-Mission Mobile Processor (DM3P) First Unit Equipped (FUE)	1	2 3	3 4	1	2	3	4	1	2	3	4	1	2	3	4	1	. 2	2 3	3	4	1	2	3	4	1	2	3	4
(2) Materiel Release Approval																												
(3) DM3P Full Operational Capability																												
P3I Block I (DM3P)																												
DM3P Development	00 00 00 00 00 00 00 00 00 00 00 00 00					<mark>M</mark> 3P	Deve	lopn	ent																			
SBIRS System Test (SST) - 9000 Combined DT/OT			SST	-900 0) Con	ıbine	DT/	OΤ																				
DM3P Production Unit 2 Fielding (Army) (Ft. Bliss)				D	МЗР	Prod	uctio	n Un	it 2 F	Field	ing (Arm	y)															
DM3P Production Unit 3 Fielding (Army) CENTCOM)				рм	3P P1	roduc	ction	Unit	3 Fie	eldin	g (Aı	rmy)																
DM3P Production Unit 4 Fielding (Army) Colorado Springs)					DM3	P Uni	it 4 (£	Army	7)																			
DM3P Production Unit 5 Fielding (Army) (EUCOM)					p	М3Р	Prod	uctio	n Un	nit 5	(Arn	ıy)																
DM3P Production Unit 1 Fielding (Army) PACOM)						DN	ИЗР І	Prod	uctio	n Un	nit 1	(Arı	ny)															

Schedule Detail (R4a Exhibit)				Fe	bruary 2000	6
BUDGET ACTIVITY 7 - Operational system development	 MBER AND TI 053A - Join t	round Syste	em		PRO 63 5	OJECT 5
						•

Schedule Detail	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Continue P3I Block I Development							
Continue P3I Block I Development (DM3P DT/OT)	1-4Q						
Continue P3I Block I (DM3P Fielding) / Begin P3I Block II Development (Geosynchronous M3P (GM3P))		1-4Q					
Continue P3I Block II Development (GM3P)			1-4Q				
Continue P3I Block II Development (GM3P)				1-4Q			
Continue P3I Block II Development (GM3P)					1-4Q		
Continue P3I Block II Development (GM3P DT/OT)						1-4Q	
Continue P3I Block II Development (GM3P DT/OT and Fielding)							1-4Q