

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)							February 2004					
BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604778A - Positioning Systems Development (SPACE)				PROJECT 168				
COST (In Thousands)				FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
168	NAVSTAR GPS EQUIP			0	1558	2048	2233	0	0	0	0	8166
<p>A. Mission Description and Budget Item Justification: The Navstar Global Positioning System (Navstar GPS) is a passive, space-based, radio positioning and navigation system providing precise, three dimensional position, navigation, velocity and timing information to warfighters. The Navstar GPS program is designated as a DoD Space Program and the United States Air Force (USAF) is the executive agent. The Joint Program Office develops GPS User Equipment (PE 35164F) with Army management and oversight. NAVSTAR GPS is composed of three segments: Space, Control, and User Equipment. Project 168 provides for initial and sustained participation in the research and development of Army unique requirements that enhance the Position Navigation capabilities of Army weapons systems and platforms. These funds will be used to identify/support the means to increase the functionality and performance of GPS receivers.</p> <p>The Defense Advanced GPS Receiver has been designated a Horizontal Technology Integration (HTI) program and provides essential capabilities to numerous weapon systems and platforms.</p> <p>This system supports the Current to Future Force transition path of the Transformation Campaign Plan (TCP).</p> <p>FY05 funding provides for the continued development, demonstration and transition of Urban Situational Awareness elements. These elements will allow the GPS Receivers to provide more secure and more reliable position and navigation data.</p>												
Accomplishments/Planned Program									FY 2003	FY 2004	FY 2005	
Leverage, demonstrate, and transition of Urban Situational Awareness improvements and solutions into GPS receivers.									0	1558	2048	
Totals									0	1558	2048	

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<u>B. Program Change Summary</u>	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2004)	0	1574	2065
Current Budget (FY 2005 PB)	0	1558	2048
Total Adjustments	0	-16	-17
Congressional program reductions			
Congressional rescissions			
Congressional increases			
Reprogrammings		-16	
SBIR/STTR Transfer			
Adjustments to Budget Years			-17

<u>C. Other Program Funding Summary</u>	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost
K47800, Other Procurement, Army, NAVSTAR	27037	45951	40067	42644	38131	25527	28331	264000	511688

GPS

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<p><u>D. Acquisition Strategy:</u> Leverage commercial technology investments and Research, Development, and Engineering Center (RDEC) initiatives that will improve and enhance functionality of GPS receivers to include unique Army requirements for time of arrival augmentation, GPS reception in a low signal environment, and providing GPS referenced position data deep inside buildings, tunnels and caves. This leveraging will be accomplished by using the contractor of the affected GPS receiver to transition software data into the desired platform. The DAGR contract was awarded in 1QFY04 on a competitive basis.</p>		

ARMY RDT&E COST ANALYSIS(R3)									February 2004			
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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Develop P-Code algorithms to support Urban Situational Awareness	MIPR	RDEC, Fort Monmouth, NJ	0	0		309	1Q	333	1Q	577	1219	0
b . Integrate P-Code algorithms into GPS receiver	TBS	TBS	0	0		874	2Q	990	2Q	677	2541	0
Subtotal:			0	0		1183		1323		1254	3760	0
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0

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III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Test/integrate new capabilities	MIPR	RDEC, Fort Monmouth, NJ	0	0		247	2Q	557	2-3Q	800	1604	0
Subtotal:			0	0		247		557		800	1604	0
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . PMO Support		PM GPS	0	0		128	1-4Q	168	1-4Q	179	475	0
Subtotal:			0	0		128		168		179	475	0
Project Total Cost:			0	0		1558		2048		2233	5839	0

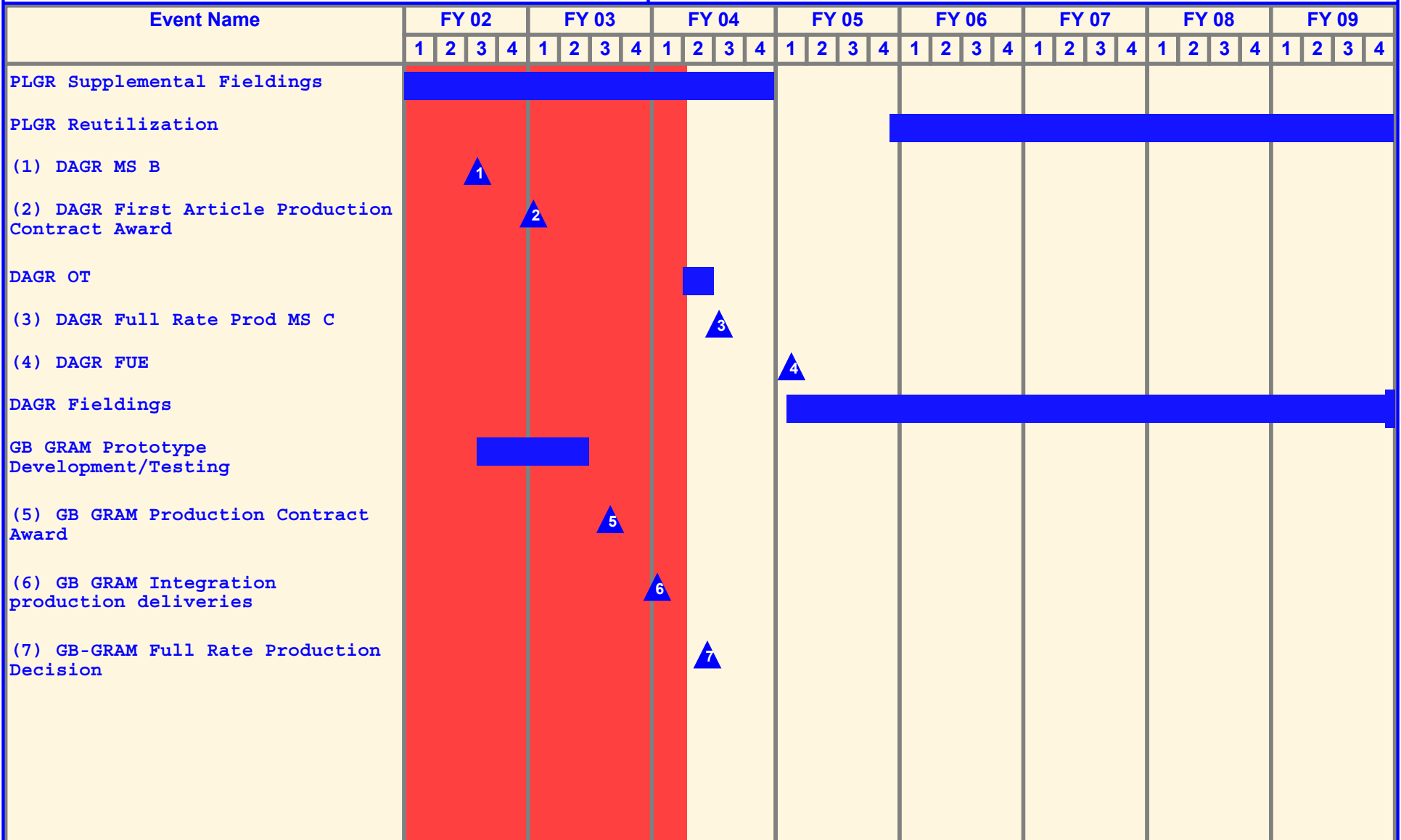
Schedule Profile (R4 Exhibit)

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Schedule Detail (R4a Exhibit)						February 2004	
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<u>Schedule Detail</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
DAGR Milestone C		2-3Q					
DAGR OT/DT		2-3Q					
First Unit Equipped DAGR		4Q					
GB-GRAM Production Contract Award	3Q						
GB-GRAM Integration Production Deliveries		1Q					
GB-GRAM MS C		2Q					