RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)										June 2001		
BUDGET ACTIVITY 07 - Operational System Development		PE NUMBER AND TITLE 0401219F KC-10S									PROJECT 4496	
	COST (\$ in Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost	
4496	KC-10 GATM	27,016	19,347	22,774	10,584	2,422	0	0	0	0	82,143	
	Quantity of RDT&E Articles	1	0	0	0	0	0	0	0	0	1	

FY03-FY07 budget numbers do not reflect the DoD strategic review.

(U) A. Mission Description

Global Air Traffic Management (GATM) is based on evolving Communication, Navigation and Surveillance (CNS) and Free Flight concepts. Key elements of its architecture are Flight Management System (FMS), Dual Multi-Mode Receiver (MMR), Dual Communications Management Unit (CMU), and Communications Datalinks (HF, VHF, SATCOM). Communications upgrades include a data link to augment/replace voice communications. The navigation capabilities include a fully integrated GPS and advanced flight management system. The surveillance capabilities include automatic aircraft position reporting (both enroute and oceanic).

(U) <u>FY 2000 (\$ in Thousands)</u>

(U) \$9,100 System Engineering/Program Management/FAA Certification

(U) \$12,536 Kit Design/Development (U) \$2,046 Prototype Fabrication

(U) \$1,845 Award Fee

(U) \$1,489 Mission Support

(U) \$27,016 Total

(U) FY 2001 (\$ in Thousands)

(U) \$3,041 System Engineering/Program Management/FAA Certification

(U) \$6,143 Kit Design/Development (U) \$4,656 Prototype Fabrication

(U) \$2,748 Award Fee (U) \$2,759 Mission Support

(U) \$19,347 Total

The following net transactions are not reflected in the FY01 program total: BTR=-\$185K and SBIR=-\$793K. These transactions are not reflected in other sections of the R-docs where an FY01 total is shown.

Project 4496 Page 1 of 5 Pages Exhibit R-2 (PE 0401219F)

	RDT&E BUDGET ITEM JUST	DATE Jun	June 2001		
	GET ACTIVITY Operational System Development	PE NUMBER AND TITLE 0401219F KC-10S			ргојест 4496
(U)	A. Mission Description Continued				'
(U) (U) (U) (U) (U) (U) (U)	FY 2002 (\$ in Thousands) \$2,427 System Engineering/Program Manage \$13,478 Kit Design/Development \$3,255 Prototype Fabrication/Install \$3,334 Award Fee \$280 Mission Support \$22,774 Total B. Budget Activity Justification				
	This effort is a low technical risk effort supporting a fielded	d weapon system and, therefore, is assigned to I	Budget Activity 7, 0	Operational Systems De	evelopment.
(U) (U) (U) (U) (U)	C. Program Change Summary (\$ in Thousands) Previous President's Budget (FY 2001 PBR) Appropriated Value Adjustments to Appropriated Value a. Congressional/General Reductions b. Small Business Innovative Research c. Omnibus or Other Above Threshold Reprogram d. Below Threshold Reprogram e. Rescissions Adjustments to Budget Years Since FY 2001 PBR Current Budget Submit/FY 2002 PBR	FY 2000 23,609 23,609 -150 -683 4,332 -92	FY 2001 19,526 19,526	FY 2002 22,774 22,774	Total Cost 43,135 43,135 -150 -683 4,332 -271 35,780 69,137
(U) (U)	Significant Program Changes: FY99 Omnibus payback added \$4.3M to FY00 funds since Program was restructured in Jun 01 with the following RD FY02: realigned \$22.774M from 3010 to 3600	e the FY01 PB.	19,347	22,114	69,137
Р	roject 4496	Page 2 of 5 Pages		Exhibit R-2	2 (PE 0401219F)

	RDT&E BU	DGET IT	TEM JUS	STIFICA	TION SH	IEET (R	DA	DATE June 2001			
	GET ACTIVITY - Operational System De	evelopme	ent			NUMBER AND 01219F					ргојест 4496
	D. Other Program Funding Str AF RDT&E Other APPN PE#401219F / KC-10 Squadron	FY 2000 Actual	FY 2001 Estimate 39,231	FY 2002 Estimate	FY 2003 Estimate 8,163 C-10 Mods,	FY 2004 Estimate 14,085 GATM, BP-	FY 2005 Estimate 1,973	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	<u>Total Cost</u> 78,545
(U)	E. Acquisition Strategy A sole source cost plus award for managed at the KC-10 System F					_	_	_	-		
	Acquisition Strategy Plan (FY9) EMD Contract Award Prototype Installation Production Decision First Flight (1QFY03) Flight Certification Test (2QFY) AF OT&E Complete (4QFY03) 1st Production Aircraft Delivery Low Rate Initial Production (4QX=Start / * = Complete	(03)) y (1QFY04)			1 2	FY 2000 2 3	4 1	FY 2 2	<u>001</u> 3 4	1 2 E	Y 2002 3 4 X X
P	Project 4496				Page 3 of	f 5 Pages				Exhibit R-2	(PE 0401219F)

	RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										June 2001		
	GET ACTIVITY Operational System I	Developme	nt			ER AND TITLE	S				PROJECT 4496		
(U)	A. Project Cost Breakdown	(\$ in Thousand	<u>ls</u>)										
							<u>FY 2</u>		FY 200		FY 2002		
(U)	System Engineering/Program	Management					9,	100	3,04	-1	2,427		
(U)	Kit Design/Development						12,	536	6,14	-3	13,478		
(U)	Prototype Fabrication						2,	046	4,65	66			
(U)	Prototype Fabrication/Install										3,255		
(U)	Award Fee							845	2,74		3,334		
(U)	Mission Support						1,	489	2,75	9	280		
(U)	Total						27,	016	19,34	.7	22,774		
(U)	B. Budget Acquisition Histor	ry and Plannin	g Information	(\$ in Thousand	<u>s)</u>								
(U)	Performing Organizations:												
, ,	Contractor or	Contract											
	Government	Method/Type	Award or	Performing	Project								
	Performing	or Funding	Obligation	<u>Activity</u>	<u>Office</u>	Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>		
	Activity	<u>Vehicle</u>	<u>Date</u>	EAC	<u>EAC</u>	to FY 2000	FY 2000	FY 2001	FY 2002	Complete	<u>Program</u>		
	Boeing	SS/CPAF	Sep 99-Mar 01				25,568	19,347	22,074	13,006	79,995		
	Product Development Organiz	zations											
	Support and Management Org	ganizations											
	ARINC, Frontier, other	C/FP	Sep 99-Mar				323				323		
	support contractors		01										
	AF Mission Support System (AFMSS)	T&M	Mar 00				1,000		600		1,600		
	Test and Evaluation Organiza	tions											
	418 Test Squadrn AFFTC	T&M	Jan 01				28		100		128		
	(Edwards AFB)	1 CCIVI	Jan U1				28		100		128		
	Joint Spectrum Center	T&M	Apr 00				97				97		
	•		•										
P	Project 4496 Page 4 of 5 Pages									it R-3 (PE (0401219F)		

RDT&E PR	DATE	DATE June 2001						
BUDGET ACTIVITY 07 - Operational Syste	em Development	PE NUMBER AND TIT 0401219F KC			ROJECT 496			
(U) Government Furnished Item Description Product Development Pro TBD Support and Management TBD Test and Evaluation Prop	Contract Method/Type Award or or Funding Obligation Vehicle Date operty t Property	<u>Delivery</u> <u>Date</u>	Total Pri to FY 20		Budget FY 2001	Budget FY 2002	Budget to Complete	<u>Total</u> <u>Program</u>
Subtotals Subtotal Product Develop Subtotal Support and Mar Subtotal Test and Evaluar Total Project	nagement		Total Pri to FY 20		Budget FY 2001 19,347	Budget FY 2002 22,074 600 100 22,774	Budget to Complete 13,006	Total Program 79,995 1,923 225 82,143
Project 4496		I	Page 5 of 5 Pages			Exhib	it R-3 (PE 04	01219F)