

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE February 1999
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BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0207247F Air Force TENCAP	PROJECT 0001
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COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
0001 Air Force TENCAP	13,485	6,328	10,102	9,914	10,870	10,591	10,811	11,037	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) A. Mission Description

Air Force TENCAP is a congressionally mandated program to provide the Tactical Exploitation of National Capabilities (TENCAP). The objective of TENCAP is to pursue seamless integration of present and future national space systems' capabilities into military operations for the warfighter. TENCAP expedites improvements to Air Force combat capabilities by performing operational concept demonstrations with rapid prototyping. TENCAP is not a developmental program per normal acquisition guidelines, but does support future operational systems development. To enhance combat effectiveness, TENCAP will focus in three areas:

- 1) Exploit existing national systems for the tactical warfighter TENCAP will conceive and demonstrate capabilities to exploit national systems.
- 2) Influence the design and operation of new national systems for the warfighter by advocating tactical impacts of the new systems (in the form of analysis and integration of national systems into roadmaps and architectures for Air Force weapons/C⁴I systems).
- 3) Educate warfighters about national systems capabilities (in the form of training, exercises, and readiness activities).

(U) FY 1998 (\$ in Thousands):

- (U) \$ 10,407 Exploited the tactical use of existing national systems for the warfighter
 - Talon Warrior (Supported training, exercises, and TENCAP applications)
 - Talon Shooter (Supported weapons delivery)
 - Talon Knight (Supported Special Operations)
 - Talon Command (Supported Air Force C2 systems)
 - Talon Vision (Supported emerging technologies and applications)
- (U) \$ 1,025 Transitioned TENCAP Concept Demonstrations to field
- (U) \$ 2,053 Program support
- (U) \$ 13,485 Total

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<p>(U) <u>FY 1999 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$ 5,035 Exploit the tactical use of existing national systems for the warfighter <ul style="list-style-type: none"> --Talon Warrior (Support for training, exercises, and TENCAP applications) --Talon Ready (Support mission planning) --Talon Shooter (Support for weapons delivery) --Talon Knight (Support Special Operations) --Talon Command (Support for Air Force C2 systems) --Talon Vision (Support for emerging technologies and applications) - (U) \$ 680 Transition TENCAP Concept Demonstrations to field - (U) \$ 407 Program support - (U) \$ 206 Identified as a source for SBIR - (U) \$ 6,328 Total <p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$ 7,959 Exploit the tactical use of existing national systems for the warfighter <ul style="list-style-type: none"> --Talon Warrior (Support for training, exercises, and TENCAP applications) --Talon Ready (Support mission planning) --Talon Shooter (Support for weapons delivery) --Talon Knight (Support Special Operations) --Talon Command (Support for Air Force C2 systems) - (U) \$ 770 Transition TENCAP Concept Demonstrations to field - (U) \$ 1,373 Program support - (U) \$ 10,102 Total 		
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(U) FY 2001 (\$ in Thousands):

- (U) \$ 7,942 Exploit the tactical use of existing national systems for the warfighter
 - Talon Warrior (Support for training, exercises, and TENCAP applications)
 - Talon Ready (Support mission planning)
 - Talon Shooter (Support for weapons delivery)
 - Talon Knight (Support Special Operations)
 - Talon Command (Support for Air Force C2 systems)
- (U) \$ 727 Transition TENCAP Concept Demonstrations to field
- (U) \$ 1,245 Program support
- (U) \$ 9,914 Total

(U) B. Budget Activity Justification:

Since this effort supports fielded systems, it is in the Budget Activity #7 Operational Systems Development

(U) C. Program Change Summary (\$ in Thousands)

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>
(U) Previous President's Budget (FY 1999 PB)	14,233	6,447	10,285	10,102	Continuing
(U) Appropriated Value	15,251	6,447			
(U) Adjustments to Appropriated Value					
a. Cong Gen Reductions	-646	-119			
b. SBIR	-374				
c. Omnibus or Other Above Threshold Reprogram	-97				
d. Below Threshold Reprogramming	-649				
(U) Adjustments to Budget Years Since FY 1999 PB			-183	-188	
(U) Current Budget Submit /FY 2000 PB	13,485	6,328	10,102	9,914	Continuing
(U) Significant Program Changes:					
FY98: \$649 reprogrammed to support higher priority Air Force requirements.					
FY99: \$206 identified as a source for SBIR.					

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FY00/01: \$183 and \$188 reductions fund higher priority Air Force requirements.										
(U) D. <u>Other Program Funding Summary (\$ in Thousands)</u>										
	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To <u>Compl</u>	Total <u>Cost</u>
(U) Other Procurement, Intelligence Communications Equipment Program BPAC 8322070	143	194	194	198	199	199	202	207	Cont	Cont
 (U) E. <u>Acquisition Strategy.</u> Cost plus award fee contract with a ceiling of hours available to AFTENCAP. Theater MAJCOM mission area plan (MAP) deficiencies provide the requirements for AFTENCAP developments. Each project must meet a MAP deficiency and be approved by an AFTENCAP Colonel's Review Group. In addition, the theater MAJCOM's must be willing to budget for the project in their Program Objective Memorandum to assume future acquisition and logistics responsibilities.										
 (U) F. <u>Schedule Profile:</u>										
	<u>FY 1998</u>			<u>FY 1999</u>			<u>FY 2000</u>			
	1	2	3	4	1	2	3	4		
Contractor Proposals for FY99 Projects				*						
FY99 Project Evaluations Complete				*						
FY99 Project Authority to Proceed				*						
FY00 Projects Identified					X					
FY00 Projects Evaluated and Approved						X				
FY00 Project Authority to Proceed						X				
FY01 Projects Identified							X			
FY01 Projects Evaluated and Approved								X		
FY01 Projects Authority to Proceed								X		
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)						DATE February 1999	
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Government Furnished Property: Not applicable. No Government property furnished to non-Government entities.							
Identified as a source for SBIR			206				
Subtotal Product Development	0	0	0	0	0	0	0
Subtotal Support and Management	37,642	13,485	6,122	10,102	9,914	Cont	Cont
Subtotal Test and Evaluation	0	0	0	0	0	0	0
Total Project	37,642	13,485	6,328	10,102	9,914	Cont	Cont