

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)									DATE February 2003	
BUDGET ACTIVITY 05 - System Development and Demonstration (SDD)				PE NUMBER AND TITLE 0604754F Tactical Data Link Integration						
COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	18,138	0	14,675	24,720	26,833	27,079	39,950	28,544	Continuing	TBD
4749 Link 16 System Integration	7,853	0	0	0	0	0	0	0	Continuing	TBD
4992 Family of Interoperable Operational Pictures (FIOP)	10,285	0	14,675	24,720	26,833	27,079	39,950	28,544	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	464,501

In FY02, Link 16 received \$121.0M incrementally (\$71.0M in Jan 02, \$30.0M in Feb 02, and \$20.0M in July 02) as part of the Defense Emergency Relief Fund (DERF). Funding was used to: upgrade operational support equipment; accelerate terminal installations; acquire interim datalink management tools, coprocessors and gateways; and provide interoperability and operational support for Link 16. This was in support of Operation Enduring Freedom. This funding is not reflected in the FY02 program total.

On 17 April, 2001 the Chief of Staff of the Air Force (CSAF) approved the management of the Tactical Data Links (TDL) as a Major System Acquisition Program. In order to effectively manage the program, the Tactical Data Links System Program Office (SPO) was stood up at Electronic Systems Center (ESC), Hanscom AFB, MA on 29 May, 2001. Funding for the Tactical Data Links was contained in PE 0604754F, Tactical Data Link Integration; PE 0604779F, Tactical Data Link Interoperability; and PE 0207434, Link 16 Support and Sustainment. This funding was consolidated in PE 0207434F in FY03 for the purpose of supporting the Tactical Data Link Infrastructure.

Funding for the Family of Interoperable Operational Pictures (FIOP) Task 1 effort was originally provided in FY02 in PE 0604754F, #654992, FIOP. This was approximately \$15M per year across the FYDP. The entire funding was transferred in FY03 to PE 0207434F, #655051, FIOP, to consolidate Infrastructure funding for TDLs. The FIOP funding for FY04 - FY09 was then transferred to PE 0207438F, Theater Battle Management C4I, #654790, Theater Battle Management Core Systems (TBMCS). In FY04, funding was provided to PE 0604754F, #654992 to fund FIOP Task 2 efforts. Currently, FIOP funding is located in three PEs:

Task 1 efforts:
 PE 0604754F, #654992 (FY02)
 PE 0207434F, #655051 (FY03)
 PE 0207438F, #654790 (FY04-FY09)

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0604754F Tactical Data Link Integration

Task 2 efforts:

PE 0604754F, #654992 (FY04-FY09)

(U) A. Mission Description

Tactical Data Link (TDL) integration employs the Joint Tactical Information Distribution System (JTIDS) and the Multifunction Information Distribution System (MIDS) terminals on multi-service platforms to broadcast Link 16 information to all participants operating within the network. TDLs provide interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. TDL terminals are used by the Air Force, Army, Navy, and Marine Corps Theater Command and Control (C2) elements, weapons platforms, and sensors.

The number of Air Force platforms hosting Link 16 is expanding, from C2 aircraft (E-3, E-8, etc.) into the fighter, bomber, sensor, tanker, and other tactical fleets (F-15, F-16, F-22, Rivet Joint, B-1, B-2, B-52, etc.). Utilization of Link 16 in a joint environment requires the integration of terminals into these host platforms, and interoperability of Link 16 nets across all deployed joint and allied platforms. Cross-platform activities performed by the Tactical Data Links (TDL) System Program Office (SPO) include: integration efforts encompassing hardware, common software, operational Link 16 enhancements, and logistics development, certification of individual Link 16 implementations to joint and allied standards, establishment of Service wide net management procedures and operations, system wide enhancements and improvements, and test and sustainment activities. In addition, the SPO is supporting the integration of Joint Interface Control Officer (JICO), Joint Support System (JSS) and TDL Gateways Link 16 including, but not limited to, the Air Force's Air Defense System Integration (ADSI) systems, the Joint Range Extension (JRE), and Beyond Line of Sight (BLOS) capabilities. The Single Integrated Air Picture (SIAP) efforts will lead to the joint development of improvements to TDLs to better support the warfighter by ensuring that the air picture is composed of common, continual, unambiguous, tracks of all airborne objects. The Family of Interoperable Operational Pictures (FIOP) efforts ensures that the total air, sea, land and space situational awareness picture efforts are unified and support all forces.

(U) B. Budget Activity Justification

This program is in budget activity 5 (Engineering Manufacturing and Development) because it supports development, integration solutions, fielding, operational support activities, and support of special projects.

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

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>
(U) Previous President's Budget	16,838		14,675	TBD
(U) Appropriated Value	17,648			
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions	-896			
b. Small Business Innovative Research	-482			

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05 - System Development and Demonstration (SDD)**0604754F Tactical Data Link Integration**(U) **C. Program Change Summary (\$ in Thousands) Continued**FY 2002FY 2003FY 2004Total Cost

c. Omnibus or Other Above Threshold Reprogram

d. Below Threshold Reprogram

1,868

e. Rescissions

(U) Adjustments to Budget Years Since FY 2003 PBR

(U) Current Budget Submit/FY 2004 PBR

18,138

14,675

TBD

(U) Significant Program Changes:

N/A

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PROJECT

05 - System Development and Demonstration (SDD)**0604754F Tactical Data Link Integration****4749**

COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
4749 Link 16 System Integration	7,853	0	0	0	0	0	0	0	Continuing	TBD

On 17 April, 2001 the Chief of Staff of the Air Force (CSAF) approved the management of the Tactical Data Links (TDL) as a Major System Acquisition Program. In order to effectively manage the program, the Tactical Data Links System Program Office (SPO) was stood up at Electronic Systems Center (ESC), Hanscom AFB, MA on 29 May, 2001. Funding for the Tactical Data Link Infrastructure was contained in PE 0604754F, Tactical Data Link Integration; PE 0604779F, Tactical Data Link Interoperability; and PE 0207434, Link 16 Support and Sustainment. This funding was consolidated in PE 0207434F in FY03 for the purpose of supporting the Tactical Data Link Infrastructure.

(U) A. Mission Description

Tactical Data Link (TDL) integration employs the Joint Tactical Information Distribution System (JTIDS) and the Multifunction Information Distribution System (MIDS) terminals on multi-service platforms to broadcast Link 16 information to all participants operating within the network. TDLs provide interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. TDL terminals are used by the Air Force, Army, Navy, and Marine Corps Theater Command and Control (C2) elements, weapons platforms, and sensors.

The number of Air Force platforms hosting Link 16 is expanding, from C2 aircraft (E-3, E-8, etc.) into the fighter, bomber, sensor, tanker, and other tactical fleets (F-15, F-16, F-22, Rivet Joint, B-1, B-2, B-52, etc.). Utilization of Link 16 in a joint environment requires the integration of terminals into these host platforms, and interoperability of Link 16 nets across all deployed joint and allied platforms. Cross-platform activities performed by the Tactical Data Links (TDL) System Program Office (SPO) include: integration efforts encompassing hardware, common software, operational Link 16 enhancements, and logistics development, certification of individual Link 16 implementations to joint and allied standards, establishment of Service wide net management procedures and operations, system wide enhancements and improvements, and test and sustainment activities. In addition, the SPO is supporting the integration of Joint Interface Control Officer (JICO), Joint Support System (JSS) and TDL Gateways Link 16 including, but not limited to, the Air Force's Air Defense System Integration (ADSI) systems, the Joint Range Extension (JRE), and Beyond Line of Sight (BLOS) capabilities. The Single Integrated Air Picture (SIAP) efforts will lead to the joint development of improvements to TDLs to better support the warfighter by ensuring that the air picture is composed of common, continual, unambiguous, tracks of all airborne objects.

(U) Budget Activity Justification

The program is in budget activity 5 (Engineering, Manufacturing, and Development) because it supports development, integration solutions, fielding, operational support activities, and support of special projects.

Project 4749

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Exhibit R-2A (PE 0604754F)

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BUDGET ACTIVITY 05 - System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604754F Tactical Data Link Integration	PROJECT 4749
<p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2002 (\$ in Thousands)</u></p> <p>(U) \$0 Accomplishments/Planned Program</p> <p>(U) \$4,613 LINK 16 INTEGRATION: Performed efforts associated with hardware and software integration of Link 16 terminals into Air Force platforms. -- (U) Supported on-going engineering integration support to platforms; technical improvements; field support; technical assistance to related tactical data link demonstration programs.</p> <p>(U) \$2,722 LINK 16 EMD SUPPORT: Performed efforts associated with fielding terminals. -- (U) Supported Operations Support Working Group; maintained developmental equipment; provided test support; fielding/non-recurring training; network support; crypto support; spectrum support; gateway support; data link tool support.</p> <p>(U) \$279 TACTICAL DATA LINK CONNECTIVITY: -- (U) Supported link 16/other TDLs/Gateways/Interfaces. -- (U) Supported ADSI Management.</p> <p>(U) \$239 SYSTEM TESTING & SUPPORT: Provided cross-platform test and evaluation and system level testing.</p> <p>(U) \$7,853 Total</p> <p>(U) <u>FY 2003 (\$ in Thousands)</u></p> <p>(U) \$0 Accomplishments/Planned Program</p> <p>(U) \$0 No Activity</p> <p>(U) \$0 Total</p> <p>Note:</p> <p>(U) <u>FY 2004 (\$ in Thousands)</u></p> <p>(U) \$0 Accomplishments/Planned Program</p> <p>(U) \$0 No Activity</p> <p>(U) \$0 Total</p> <p>(U) <u>B. Project Change Summary</u></p> <p>Not Applicable</p>		
<div style="display: flex; justify-content: space-between;"> Project 4749 Page 5 of 13 Pages Exhibit R-2A (PE 0604754F) </div>		

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0604754F Tactical Data Link Integration

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(U) **C. Other Program Funding Summary (\$ in Thousands)**

	<u>FY 2002</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>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	

(U) AF RDT&E

(U) Other APPN

Continuing

Continuing

(U) **D. Acquisition Strategy**

The Air Force Tactical Data Links System Program Office (SPO) provides for common development of integration and interoperability across all Air Force platforms and ensures that Link 16 is procured and maintained as a joint, end-to-end, command and control system.

(U) **E. Schedule Profile**FY 2002FY 2003FY 2004

	1	2	3	4	1	2	3	4	1	2	3	4
(U) Link 16 Integration	*	*	*	*								
(U) Link 16 EMD Support	*	*	*	*								
(U) Tactical Data Link Connectivity	*	*	*	*								
(U) Systems Testing and Support	*	*	*	*								

* Denotes completed events

X Denotes planned events

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2003			
BUDGET ACTIVITY					PE NUMBER AND TITLE				PROJECT	
05 - System Development and Demonstration (SDD)					0604754F Tactical Data Link Integration				4749	
(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>										
					<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>	
(U) Link-16 Integration					4,613					
(U) EMD Activities					2,722					
(U) Tactical Data Link Connectivity					279					
(U) System Testing & Support					239					
(U) Total					7,853					
(U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>										
(U) <u>Performing Organizations:</u>										
<u>Contractor or</u>		<u>Contract</u>								
<u>Government</u>		<u>Method/Type</u>		<u>Award or</u>		<u>Performing</u>		<u>Project</u>		
<u>Performing</u>		<u>or Funding</u>		<u>Obligation</u>		<u>Activity</u>		<u>Office</u>		
<u>Activity</u>		<u>Vehicle</u>		<u>Date</u>		<u>EAC</u>		<u>EAC</u>		
<u>Product Development Organizations</u>										
CONTRACTOR SPT		FPLOE		Various		1,076		1,918		
MITRE		CPAF		1QFY99		4,165		4,557		
Logicon*		FFP		Jul 97		50		310		
BAE*		FFP		Jul 97		64		339		
*Funding MIPR'd to SPAWAR										
<u>Support and Management Organizations</u>										
Program Office		Various		Various		521		419		
<u>Test and Evaluation Organizations</u>										
EGLIN AFB		PO/616		Various		852		310		
					<u>Total Prior</u>		<u>Budget</u>		<u>Budget</u>	
<u>Subtotals</u>					<u>to FY 2002</u>		<u>FY 2002</u>		<u>FY 2003</u>	
Subtotal Product Development					5,355		7,124		TBD	
Subtotal Support and Management					521		419		TBD	
Subtotal Test and Evaluation					852		310		TBD	
Total Project					6,728		7,853		TBD	
Project 4749										
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Exhibit R-3 (PE 0604754F)										

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Exhibit R-3 (PE 0604754F)

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BUDGET ACTIVITY 05 - System Development and Demonstration (SDD)				PE NUMBER AND TITLE 0604754F Tactical Data Link Integration					PROJECT 4992		
COST (\$ in Thousands)		FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
4992	Family of Interoperable Operational Pictures (FIOP)	10,285	0	14,675	24,720	26,833	27,079	39,950	28,544	Continuing	TBD
<p>Funding for the Family of Interoperable Operational Pictures (FIOP) Task 1 effort was originally provided in FY02 in PE 0604754F, #654992, FIOP. This was approximately \$15M per year across the FYDP. The entire funding was transferred in FY03 to PE 0207434F, #655051, FIOP, to consolidate Infrastructure funding for TDLs. The FIOP funding for FY04 - FY09 was then transferred to PE 0207438F, Theater Battle Management C4I, #654790, Theater Battle Management Core Systems (TBMCS). In FY04, funding was provided to PE 0604754F, #654992 to fund FIOP Task 2 efforts. Currently, FIOP funding is located in three PEs:</p> <p>Task 1 efforts: PE 0604754F, #654992 (FY02) PE 0207434F, #655051 (FY03) PE 0207438F, #654790 (FY04-FY09)</p> <p>Task 2 efforts: PE 0604754F, #654992 (FY04-FY09)</p> <p>(U) <u>A. Mission Description</u> This funding and schedule will support development, integration, operational fielding and migration of capability to identified systems of record for the Family of Interoperable Operational Pictures (FIOP) initiative. The objective is to provide an all-source picture of the battle space containing actionable, decision-quality, information to the warfighter through a fusion of existing databases. Interoperability deficiencies will be identified and resolved through implementation of Web-Based Technologies and Network Based Services.</p> <p>(U) <u>FY 2002 (\$ in Thousands)</u> (U) \$0 Accomplishments/Planned Program (U) \$2,200 REQUIREMENTS & ENGINEERING MANAGEMENT: --(U) Provided requirement management (\$300K x 4 services: \$1,200K), AF Exec Agent (\$400K), and DISA Mgt (\$600K). (U) \$5,132 IMPLEMENTATION OF EXECUTION MGT CAPABILITY: --(U) Provided integration support, execution management, and visualization capabilities. (U) \$1,553 TACTICAL COMMON OPERATING ENVIRONMENT (COE) WORKSTATION DEVELOPMENT:</p>											
Project 4992		Page 8 of 13 Pages					Exhibit R-2A (PE 0604754F)				

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BUDGET ACTIVITY 05 - System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604754F Tactical Data Link Integration	PROJECT 4992
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2002 (\$ in Thousands) Continued</u></p> <div style="margin-left: 20px;"> <p>--(U) Migrated USMC/USA Command and Control Personal Computer (C2PC) to Common Operational Picture (COP) infrastructure. Provided integration support, engineering, hardware/software, and travel.</p> </div> <p>(U) \$1,400 COE SUPPORT FOR JOINT VARIABLE MSG FORMAT (JVMF):</p> <div style="margin-left: 20px;"> <p>--(U) Implemented COE processing of JVMF messages among USMC/USN/USA with scalable COP infrastructure in limited bandwidth environments. Provided integration support, engineering, hardware/software, and travel</p> </div> <p>(U) \$10,285 Total</p> <p>(U) <u>FY 2003 (\$ in Thousands)</u></p> <p>(U) \$0 Accomplishments/Planned Program</p> <p>(U) \$0 No Activity</p> <p>(U) \$0 Total</p> <p>(U) <u>FY 2004 (\$ in Thousands)</u></p> <p>(U) \$3,490 Joint Precision Fire Support</p> <div style="margin-left: 20px;"> <p>--(U) Provide Joint Precision Fire Support application of the Tactical COE client to provide precision target information to multiple weapons platforms.</p> </div> <p>(U) \$1,800 Tactical Datalink Integration With COP</p> <div style="margin-left: 20px;"> <p>--(U) Develop Global Command and Control Systems/Air Defense Systems Integration (GCCS/ADSI) interface and Integrated Broadcast Service (IBS)/Link-16 interface to provide expeditious data flow and improved dissemination of near-real intelligence data.</p> </div> <p>(U) \$2,500 Situation Awareness Data Interoperability (SADL)</p> <div style="margin-left: 20px;"> <p>--(U) Develop two products: a Situational Awareness System Interface Control Document and a COE Situational Awareness Gateway Software Segment.</p> </div> <p>(U) \$6,885 Develop Network Based Services</p> <div style="margin-left: 20px;"> <p>--(U) Develop Common Integrated Infrastructure (CII) components and node information services to provide infrastructure enablers that support FIOP tasks (eg, Ground Moving Target Indicators (GMTI) Services and or METOC Services).</p> </div> <p>(U) \$14,675 Total</p> <p>(U) <u>B. Project Change Summary</u></p> <p style="margin-left: 20px;">Not Applicable</p> </div> <div style="width: 45%;"> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">Project 4992</div> <div style="width: 30%;">Page 9 of 13 Pages</div> <div style="width: 30%;">Exhibit R-2A (PE 0604754F)</div> </div> </div> </div>		

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(U) **C. Other Program Funding Summary (\$ in Thousands)**

	<u>FY 2002</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>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) AF RDT&E										
(U) 27434F (Link 16 Sup & Sus)	0	50,073	58,783	190,001	257,665	247,322	177,451	177,624		
(U) 27445F (Fighter TDL)	0	38,168	42,877	67,617	41,419	42,032	39,763	48,149		
(U) 27446F (Bomber TDL)	0	0	12,959	120,571	166,535	89,009	0	0		
(U) 27448F (C2ISR TDL)	0	0	26,927	26,713	7,254	745	0	0		
(U) 41839F (Airlift TDL)	0	0	0	67,199	85,030	150,094	42,808	42,457		
(U) Other APPN										
(U) Aircraft Procurement, AF (3010)										
(U) 27434F (Link 16 Sup & Sus)	0	36,013	40	0	0	0	0	0		
(U) 27445F (Fighter TDL)	0	0	31,635	98,076	122,338	94,153	44,195	32,518		
(U) 27446F (Bomber TDL)	0	0	0	86,125	48,254	33,185	30,570	28,149		
(U) 27448F (C2ISR TDL)	0	0	0	16,503	5,769	1,091	6,025	6,128		
(U) 41839F (Airlift TDL)	0	0	0	11,827	24,043	0	0	0		
(U) O&M, AF (3400)										
(U) 27434F (Link 16 Sup & Sus)	10,143	11,494	13,482	16,535	21,401	23,521	24,696	22,753		
(U) Other Procurement, AF (3080)										
(U) 27434F (Link 16 Sup & Sus)	0	0	0	1,744	9,602	21,202	2,785	2,829		

(U) **D. Acquisition Strategy**

JROC directed activity to implement direction to spiral develop, integrate and sustain web-enabled COP capabilities that are interoperable with existing Service systems. Identify execution-level requirements and candidate solutions, evaluate those potential solutions against the stated requirements, and develop COE based, spiral developed capabilities in 6 month increments. FIOP developed capabilities will be tested and evaluated for operational utility in Service test facilities and at operational locations. FIOP capabilities will then be migrated to Service SOR systems for sustainment.

(U) **E. Schedule Profile**FY 2002FY 2003FY 2004

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(U) E. Schedule Profile ContinuedFY 2002FY 2003FY 2004

	1	2	3	4	1	2	3	4	1	2	3	4
(U) RQMTS/ENG MANAGEMENT	*	*	*	*								
(U) EXECUTION MGT CAPABILITY	*	*	*	*								
(U) TACTICAL COE WS DEV	*	*	*	*								
(U) COE SUPPORT FOR JVMF	*	*	*	*								
(U) Joint Precision Fire Support											X	
(U) Tactical Datalink Integration											X	
(U) Situation Awareness Data Interoperability											X	
(U) Network Based Services									X			

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2003			
BUDGET ACTIVITY					PE NUMBER AND TITLE			PROJECT		
05 - System Development and Demonstration (SDD)					0604754F Tactical Data Link Integration			4992		
(U)	<u>A. Project Cost Breakdown (\$ in Thousands)</u>									
						<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>
(U)	REQUIREMENTS & ENGINEERING MANAGEMENT					2,200				
(U)	IMPLEMENTATION OF EXECUTION MGT CAPABILITY					5,132				
(U)	TACTICAL COE WORKSTATION DEVELOPMENT					1,553				
(U)	COE SUPPORT FOR JOINT VARIABLE MSG FORMAT					1,400				
(U)	Joint Precision Fire Support									3,490
(U)	Tactical Datalink Integration With COP									1,800
(U)	Situation Awareness Data Interoperability									2,500
(U)	Develop Network Based Services									6,885
(U)	Total					10,285				14,675
(U)	<u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>									
(U)	<u>Performing Organizations:</u>									
	<u>Contractor or</u>	<u>Contract</u>								
	<u>Government</u>	<u>Method/Type</u>	<u>Award or</u>	<u>Performing</u>	<u>Project</u>					
	<u>Performing</u>	<u>or Funding</u>	<u>Obligation</u>	<u>Activity</u>	<u>Office</u>	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
	<u>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	<u>to FY 2002</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Complete</u>
	<u>Product Development Organizations</u>									
	Execution Mgt Contractor	Various	Various				4,732			Continuing
	Tactical COE WS	Various	Various				1,403			Continuing
	Contractors*									
	JVMF Contractors**	Various	Various				1,250			Continuing
	Joint Precision Fire Support	TBD	TBD						3,490	Continuing
	Tactical Datalink Integration	TBD	TBD						1,800	Continuing
	With COP									
	Situation Awareness Data	TBD	TBD						2,500	Continuing
	Interoperability									
	Network Based Services	TBD	TBD						6,885	Continuing
Project 4992					Page 12 of 13 Pages			Exhibit R-3 (PE 0604754F)		

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2003		
BUDGET ACTIVITY				PE NUMBER AND TITLE			PROJECT		
05 - System Development and Demonstration (SDD)				0604754F Tactical Data Link Integration			4992		
(U) <u>Performing Organizations Continued:</u>									
*Funding MIPR'd to Marine Corps Systems Command. **Funding MIPR'd to Army Communication Electronics Command									
<u>Support and Management Organizations</u>									
Multi-Service Contractor	Various	Various		2,400	0	0	Continuing	TBD	
Support									
MITRE	CPAF	Various		500	0	0	Continuing	TBD	
<u>Test and Evaluation Organizations</u>									
				<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Subtotals</u>				<u>to FY 2002</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Complete</u>	<u>Program</u>
Subtotal Product Development					7,385		14,675	TBD	TBD
Subtotal Support and Management					2,900	0	0	TBD	TBD
Subtotal Test and Evaluation									
Total Project					10,285	0	14,675	TBD	TBD

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