

Exhibit R-2, RDT&E Budget Item Justification									DATE February 2007	
BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0401839F Airlift/Other Tactical Data Link					
Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	22.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.016
5040 Airlift/Other Tactical Data Link	0.000	22.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.016

(U) A. Mission Description and Budget Item Justification

Tactical Data Links (TDL) are used in a combat environment to exchange information such as messages, data, radar tracks, target information, platform status, imagery, and command assignments. TDLs provide interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. TDLs are used by all service theater Command and Control (C2) elements, weapons platforms, and sensors. TDLs include, but are not limited to: Link-16, Link-11, Situational Awareness Data Link (SADL), and Variable Message Format (VMF), Integrated Broadcast Service (IBS), and Tactical Targeting Network Technology (TTNT).

This development effort adds Line of Sight (LOS) and Beyond Line of Sight (BLOS) TDL capability to the Air Mobility and Special Operations Forces (SOF) Fleets. LOS/BLOS Integration includes, but is not limited to, the following aircraft: KC-135, C-5, C-17, C-130, KC-10 and other Airlift, Refueling, and SOF aircraft. TDLs provide a secure, jam-resistant, digital-data-transfer-network capability with a standardized waveform and data format allowing intra- and inter-flight communications. TDLs increase mission effectiveness, provide situational awareness, provide positive identification of aircraft in the network, correlate on- and off-board sensor data, target, and threat information. TDL efforts include, but are not limited to: changes and additions to the TDL message standard (MIL-STD-6016C) and other data link interoperability standards including necessary Interface Change Proposals (ICPs); interoperability certification testing with the Joint Interoperability Test Center (JITC); future development, integration, and verification of TDL Operational Flight Program (OFP) upgrades and federated networking components and applications; data gathering processes for future network-centric assessments for all Air Mobility Command (AMC) and Air Force Special Operations Command (AFSOC) platforms; and Joint Tactical Radio System (JTRS) migration activities.

Airlift/Other Tactical Data Link program is in Budget Activity 7, Operational System Development, since it supports integration of tactical data links into operational systems.

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(U) **B. Program Change Summary (\$ in Millions)**

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	0.000	32.099	0.000	0.000
(U) Current PBR/President's Budget	0.000	22.000	0.000	0.000
(U) Total Adjustments	0.000			
(U) Congressional Program Reductions		-10.000		
Congressional Rescissions		-0.084		
Congressional Increases				
Reprogrammings		-0.015		
SBIR/STTR Transfer				
(U) <u>Significant Program Changes:</u>				
FY07 Congressional Reduction of \$10.0M				

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Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
5040 Airlift/Other Tactical Data Link	0.000	22.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.016
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

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Airlift/Other Tactical Data Link program is in Budget Activity 7, Operational System Development, since it supports integration of tactical data links into operational systems.

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Data Link Integration (DLI) processor development and demonstration	0.000	12.000		
(U) Data Link Integration (DLI) Group A development	0.000	10.000		
(U) Total Cost	0.000	22.000	0.000	0.000

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

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) RDT&E (3600)										
(U) 0207434F (Link 16 Sup &	156.851	173.216	199.363	207.268	166.987	184.448	201.611	193.745	Continuing	TBD

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

Sus)	0207445F (Fighter TDL)	0207446F (Bomber TDL)	0207448F (C2ISR TDL)	Procurement (3010)	0207434F (Link 16 Sup & Sus)	0207445F (Fighter TDL)	0207446F (Bomber TDL)	0401839F (Airlift TDL)	Procurement (3080)	0207434F (Link 16 Sup & Sus)	O&M (3400)	0207434F (Link 16 Sup & Sus)	0207445F (Fighter RD)	0401839F (Airlift TDL)
	115.818	133.836	14.219	2.996	89.222	21.940	24.118	41.362	8.341	0.000	3.220			
	112.755	100.744	4.322	2.773	61.399	11.775	11.497	36.886	9.895	0.000	5.445			
	39.545	37.130	1.809	0.001	35.676	4.518	14.818	21.933	13.203	0.289	5.726			
	74.312	0.000	1.741	9.708	5.865	0.000	12.744	28.301	4.760	0.287	6.603			
	91.577	0.000	1.711	46.296	9.879	0.000	26.521	41.932	13.054	0.286	17.381			
	0.000	0.000	1.643	99.938	0.785	0.000	26.853	43.948	14.986	0.283	17.460			
	0.000	0.000	1.675	104.173	0.783	0.000	27.384	56.337	17.550	0.288	17.815			
	0.000	0.000	1.709	75.826	0.000	0.000	27.929	39.173	18.923	0.293	18.177			
			Continuing	Continuing			Continuing	Continuing	Continuing		Continuing			
	434.007	271.710	TBD	TBD	203.609	38.233	TBD	TBD	TBD		TBD			

(U) D. Acquisition Strategy

The 640th Electronic Systems Squadron (ELSS), formerly 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 TDLs are procured and maintained as joint, end-to-end, command-and-control systems. Platform acquisition strategies vary by program, but the majority of development and integration is normally accomplished by the weapon system prime contractor.

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Exhibit R-3, RDT&E Project Cost Analysis	DATE February 2007
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<u>(U) Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2006 Cost</u>	<u>FY 2006 Cost</u>	<u>FY 2006 Award Date</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
<u>(U) Product Development</u>														
Data Link Processor and Group A Development	Various	Various				21.098	Aug-07					0.000	21.098	TBD
Subtotal Product Development			0.000	0.000		21.098		0.000		0.000		0.000	21.098	TBD
Remarks:														
<u>(U) Support</u>													0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
<u>(U) Test & Evaluation</u>														
	Air Force Form 616	46th Test Squadron, Eglin AFB, FL				0.200	Jan-07						0.200	TBD
Subtotal Test & Evaluation			0.000	0.000		0.200		0.000		0.000		0.000	0.200	TBD
Remarks:														
<u>(U) Management</u>														
Program Office and Contractor Support	C/FFP	Various	0.000	0.000		0.702	Jan-07	0.000		0.000		0.000	0.702	TBD
Subtotal Management			0.000	0.000		0.702		0.000		0.000		0.000	0.702	TBD
Remarks:														
<u>(U) Total Cost</u>			0.000	0.000		22.000		0.000		0.000		0.000	22.000	TBD

Exhibit R-4, RDT&E Schedule Profile

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Mobility Air Force (MAF) Data Link Integration (DLI) Long-Term Schedule (as of 5 January 2007)

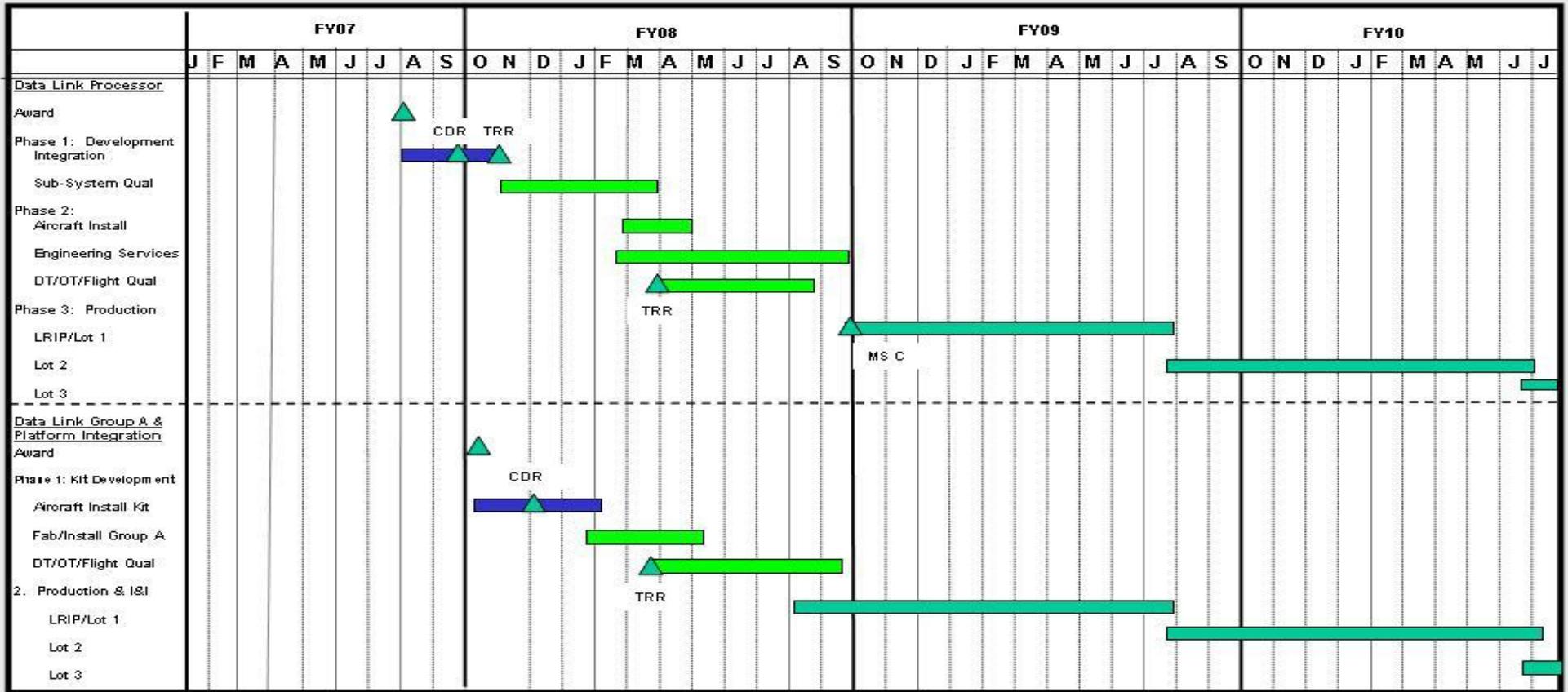


Exhibit R-4a, RDT&E Schedule Detail

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PROJECT NUMBER AND TITLE

5040 Airlift/Other Tactical Data Link

(U) Schedule Profile

FY 2006

FY 2007

FY 2008

FY 2009

(U) Data Link Processor development and qualification

4Q

1-2Q

(U) Data Link Group A development

4Q

1-4Q