PE NUMBER: 0207412F
PE TITLE: Control and Reporting Center (CRC)

Exhibit R-2, RDT&E Budget Item Justification

DATE: May 2009

BUDGET ACTIVITY: 07 Operational System Development

PE NUMBER AND TITLE: 0207412F Control and Reporting Center (CRC)

	Cost ($ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
	Total Program Element (PE) Cost	24.108	58.894	52.508	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
485L	Theater Air Control System Imp (TACSI)	24.108	58.894	9.989	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
5294	Theater Air Control System Improvement - Radar (TACSI-R)	0.000	0.000	42.519	0.000	0.000	0.000	0.000	0.000	0.000	0.000

In FY 2008, this PE was renamed Control and Reporting Center (CRC) [formerly Modular Control System (MCS)].

(U) A. Mission Description and Budget Item Justification

This budget activity funds development of mobile ground-based command and control (C2) capabilities of the Control and Reporting Center (CRC) program. The CRC is identified as a component of the Integrated Air Missile Defense Family of Systems that defends the Homeland and US national interests at home and abroad by negating an adversary's ability to achieve adverse effects from their air and missile capabilities. The CRC mission is to provide battlespace awareness and tactical battle management command and control (BMC2) in an assigned area. It is a ground-based theater air control system (TACS) surveillance and BMC2 element. It consists of facilities, equipment, and people and is a tailorable, modular, transportable, sustainable and persistent weapon system employed at the tactical level to support air and surface operations. Currently, the CRCs are fully employed in Operations IRAQI FREEDOM, ENDURING FREEDOM, and NOBLE EAGLE.

The CRC projects include development and modernization of Theater Air Control Systems Improvement (TACSI) capabilities and the Three-Dimensional Expeditionary Long-Range Radar (3DELRR). TACSI efforts include, but are not limited to the AN/TYQ-23 Operations Module (OM), AN/TPS-75 Long-Range Surveillance Radar and the AN/TRC-215 Remote Radio Secure Voice System (RRSVS) that may be tasked across the full range of military operations. AN/TYQ-23 OM is a low source/high demand (LS/HD) deployable ground-based C2 asset. This automated, computer-based information system provides operators the real-time battlespace picture necessary to plan, direct, and control tactical air operations and airspace management tasks. AN/TRC-215 RRSVS is a mobile, vehicle-mounted voice radio and OM-interface unit. The RRSVS allows real-time, secure voice communication between aircraft operating in the battlespace and ground-based BMC2 operators located in the OM of the CRC. The AN/TRC-215 is typically deployed to a remote area which can extend the CRCs radio coverage beyond line of sight (BLOS) using organic SATCOM capabilities.

The 3DELRR program is developing a replacement for the current legacy AN/TPS-75 radar. 3DELRR will be the principal USAF long-range, ground-based sensor for detecting, identifying, tracking, and reporting aircraft and missiles in support of the Joint Forces Air Component Commander (JFACC) through the Ground Theater Air Control System (GTACS). The primary mission of the 3DELRR will be to provide long-range surveillance, control of aircraft, theater ballistic missile detection and Combat Identification (CID). The 3DELRR will respond to the operational need to detect and report highly maneuverable, small radar cross section targets to enable battlespace awareness while at the same time mitigating the reliability, maintainability, and sustainability issues plaguing the AN/TPS-75 radar system. Ongoing planning and associated activities will take place to prevent and overcome diminishing manufacturing sources and obsolescence issues as required.

The program is in Budget Activity 7 because it provides funding for the modernization of currently existing and operating systems.

Exhibit R-2, RDT&E Budget Item Justification	DATE May 2009
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207412F Control and Reporting Center (CRC)

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

		FY 2008	FY 2009	FY 2010
(U)	Previous President's Budget	24.791	60.590	21.163
(U)	Current PBR/President's Budget	24.108	58.894	52.508
(U)	Total Adjustments	-0.683	-1.696	
(U)	Congressional Program Reductions			
	Congressional Rescissions		-1.696	
	Congressional Increases			
	Reprogrammings			
	SBIR/STTR Transfer	-0.683		

(U) Significant Program Changes:

- Funding increased from FY08 (PB09/10) to FY09 (PB09/10) in order to start technology development for the Three-Dimensional Expeditionary Long-Range Radar (3DELLR) program. This effort was formerly referred to as the Radar Replacement effort.
- FY10 funding increased from PB09 to PB10 to fully fund 3DELLR technology development.

Exhibit R-2a, RDT&E Project Justification			DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0207412F Control and Reporting Center (CRC)	PROJECT NUMBER AND TITLE: 485L Theater Air Control System Imp (TACSI)	

Cost ($ in Millions)		FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
485L	Theater Air Control System Imp (TACSI)	24.108	58.894	9.989	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

Beginning in FY10, within PE 0207412F, partial funding was transferred from Project Number 485L to Project Number 5294 to continue development of the AN/TPS-75 replacement/updgrade, known as Three-Dimensional Expeditionary Long-Range Radar (3DELRR). This realignment of funding has moved the associated 3DELRR Evolutionary Upgrades, Program Support & Systems Engineering/Technical Support to a separate Project Number (5294).

(U) A. Mission Description and Budget Item Justification

The Control and Reporting Center (CRC) program element provides development and modernization of mobile ground-based command and control (C2) capabilities. The CRC is a ground-based theater air control system (TACS) surveillance and battle management command and control (BMC2) element. It consists of facilities, equipment, and people. It is a tailorable, modular, transportable, sustainable, and persistent weapon system employed at the tactical level to support air and surface operations. The CRC projects include development of Theater Air Control Systems Improvement (TACSI) capabilities and the Three-Dimensional Expeditionary Long-Range Radar (3DELRR). Currently USAF CRCs are fully employed in Operations IRAQI FREEDOM, ENDURING FREEDOM, and NOBLE EAGLE.

The TACSI project develops and modernizes software and hardware to make the CRC a viable BMC2 element. These efforts include, but are not limited to, the development and modernization of the AN/TYQ-23 Operations Module (OM) and the AN/TRC-215 Remote Radio Secure Voice System (RRSVS). AN/TYQ-23 OM is a low source/high demand (LS/HD) rapidly deployable ground-based C2 asset. This automated, computer-based information system provides operators the real-time battlespace picture necessary to plan, direct, and control tactical air operations and airspace management tasks. AN/TRC-215 RRSVS is a mobile, vehicle-mounted voice radio and OM-interface unit. The RRSVS allows real-time, secure voice communication between aircraft operating in the battlespace and ground-based battle management C2 operators located in the OM of the CRC. OMs and RRSVS units are currently deployed world-wide in support of ongoing operations.

In the absence of a replacement C2 system, Service Life Extension Program (SLEP) efforts to provide capability upgrades/improvements such as associated Mode 5/Mode S passive and/or active Identify Friend or Foe (IFF), are being developed for the CRC. Beginning in FY10, activities will include, but not be limited to, studies, analysis, design and prototype, documentation, testing, and production to support both current program planning and execution and future program planning.

The program is in Budget Activity 7 because it provides funding for the modernization of currently existing and operating systems.

(U) B. Accomplishments/Planned Program ($ in Millions)	FY 2008	FY 2009	FY 2010
(U) Continue development & delivery of evolutionary upgrades to the CRC to include, but not limited to, advanced planning, Modular Control System (MCS) upgrades, enhanced radio/radar/data link remoting, transition of Area Cruise Missile Defense (ACMD) technology into CRC, integrating evolutionary upgrades into CRC, and AN/TPS-75 sensor replacement/upgrade -- known as Three-Dimensional Expeditionary Long-Range Radar (3DELRR).	18.881	52.298	8.525
(U) Test and evaluation support	0.000	0.200	0.322

Exhibit R-2a, RDT&E Project Justification		DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0207412F Control and Reporting Center (CRC)	PROJECT NUMBER AND TITLE: 485L Theater Air Control System Imp (TACSI)

	B. Accomplishments/Planned Program ($ in Millions)	FY 2008	FY 2009	FY 2010
(U)	Continue Program Support (i.e., travel, supplies, equipment, miscellaneous)	0.324	1.141	0.250
(U)	Continue Systems Engineering/Technical Support	4.903	5.255	0.892
(U)	Total Cost	24.108	58.894	9.989

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

	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total Cost
(U) OPAF PE 0207412F (Other Procurement Air Force, WSC 833040, Theater Air Control System Improvement	24.881	31.190	17.512						Continuing	TBD

(U) D. Acquisition Strategy

The CRC is utilizing an incremental development and acquisition strategy to further advance C2 capabilities supporting future aerospace operations.

Exhibit R-3, RDT&E Project Cost Analysis

DATE: May 2009

BUDGET ACTIVITY: 07 Operational System Development

PE NUMBER AND TITLE: 0207412F Control and Reporting Center (CRC)

PROJECT NUMBER AND TITLE: 485L Theater Air Control System Imp (TACSI)

(U) Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2008 Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development												
Development of Evolutionary Upgrades - Integration, contractor testing & system delivery, BCC	MIPR	NAWC/Aircraft Division, St. Inigoes, MD	16.907	5.528	Oct-07						22.435	22.570
Development of Evolutionary Upgrades - Incremental Development, BCC	CPIF & CPAF/SS	Thales Raytheon Systems, Brea, CA	21.072	4.316	Dec-07						25.388	25.032
Development of Evolutionary Upgrades - BCS-F	CPIF	Thales Raytheon Systems, Brea, CA	0.000	4.958	Nov-08						4.958	23.640
Development of Evolutionary Upgrades - TBD	TBD	TBD				25.215	Mar-09				25.215	13.369
Development of Evolutionary Upgrades - Remote Radio Spiral 3	MIPR	AFRL, Rome, NY	2.931	0.470	Jan-08	0.490	Nov-08	0.525	Nov-09	Continuing	TBD	TBD
Development of Evolutionary Upgrades - Mode 5/S, Study	MIPR	84TH SCSG, Hill AFB, UT		0.323	Feb-08						0.323	0.323
Development of Evolutionary Upgrades - Mode 5/S	TBD	TBD						3.500	Mar-10		3.500	
Development of Evolutionary Upgrades - Operations Modules (OMs) V5 Service Life Extension Program (SLEP)	T&M	CSC Corp, Falls Church, VA				0.308	Mar-09			Continuing	TBD	TBD
Development of Evolutionary Upgrades - Operations Modules (OMs) V5 Service Life Extension Program (SLEP)	FFP	309th Maintenance Wing, Ogden ALC, UT				0.956	Jun-09	4.000	Mar-10		4.956	
Development of Evolutionary Upgrades - CRC Analysis of Alternatives Study	T&M	Booz Allen Hamilton, Inc., McLean, VA				0.300	Nov-08				0.300	0.300
Development of Evolutionary Upgrades - CRC Analysis of Alternatives	T&M	Booz Allen Hamilton, Inc., McLean, VA				1.900	May-09	0.500	Nov-09		2.400	1.300
Development of Evolutionary Upgrades - Analysis of Alternatives, 3DELRR	T&M	Booz Allen Hamilton, Inc., McLean, VA				0.562	Nov-08				0.562	
Development of Evolutionary Upgrades - Risk Reduction, 3DELRR	MIPR	WPAFB, OH		2.593	Mar-08					Continuing	TBD	TBD
Development of Evolutionary Upgrades - Risk Reduction, 3DELRR	MIPR	Naval Research		0.305	Aug-08	0.150	Nov-08			Continuing	TBD	TBD

Exhibit R-3, RDT&E Project Cost Analysis

DATE: May 2009

BUDGET ACTIVITY: 07 Operational System Development

PE NUMBER AND TITLE: 0207412F Control and Reporting Center (CRC)

PROJECT NUMBER AND TITLE: 485L Theater Air Control System Imp (TACSI)

			Laboratory, Washington, DC										
	Development of Evolutionary Upgrades - Risk Reduction, 3DELRR	FFP	MIT/Lincoln Laboratory, Lexington, MA		0.350	Aug-08	2.318	Dec-08			Continuing	TBD	TBD
	Development of Evolutionary Upgrades - Test Planning, 3DELRR	MIPR	46TH TS, EGLIN AFB, FL		0.037	Jun-08	0.308	Dec-08			Continuing	TBD	TBD
	Development of Evolutionary Upgrades - Technology Demonstration, 3DELRR	TBD	TBD				19.791	May-09			Continuing	TBD	TBD
	Subtotal Product Development			40.910	18.880		52.298		8.525		Continuing	TBD	TBD
	Remarks:												
(U)	Support												
	Program Office Support	Various	Various	1.117	0.324	Oct-07	1.141	Oct-08	0.250	Oct-09	Continuing	TBD	TBD
	Systems Engineering	FFP	MITRE, Bedford MA	4.113	1.748	Dec-07	1.705	Dec-08	0.322	Oct-09	Continuing	TBD	TBD
	Technical Support	T&M	Various	3.027	3.156	Dec-07	3.550	Dec-08	0.570	Dec-09	Continuing	TBD	TBD
	Subtotal Support			8.257	5.228		6.396		1.142		Continuing	TBD	TBD
	Remarks:												
(U)	Test & Evaluation												
	46th Test Wing/Other Test Activity	Various	Various	0.538			0.200	Dec-08	0.322	Dec-09		1.060	0.591
	Subtotal Test & Evaluation			0.538	0.000		0.200		0.322		0.000	1.060	0.591
	Remarks:												
(U)	Total Cost			49.705	24.108		58.894		9.989		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile		DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0207412F Control and Reporting Center (CRC)	PROJECT NUMBER AND TITLE: 485L Theater Air Control System Imp (TACSI)

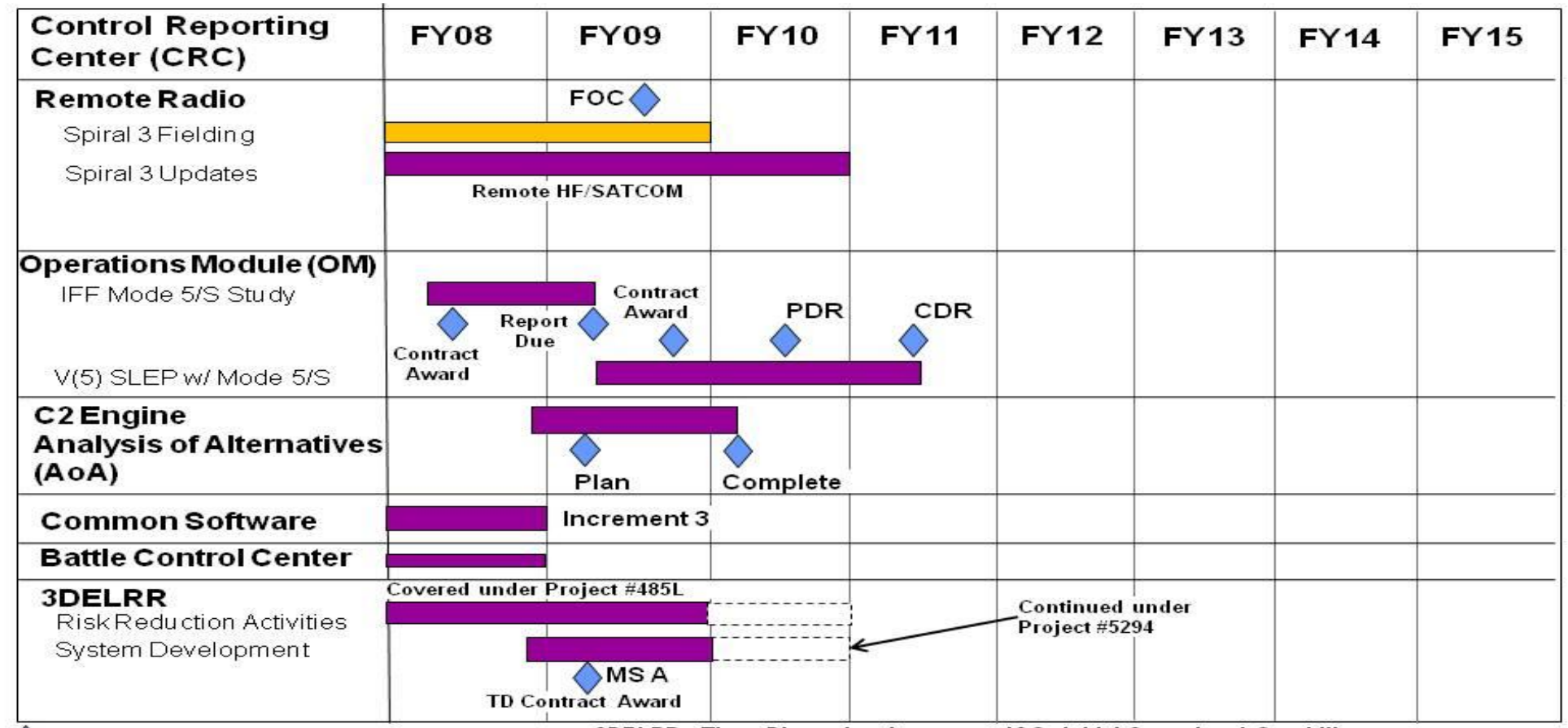


Exhibit R-4a, RDT&E Schedule Detail		DATE May 2009
BUDGET ACTIVITY **07 Operational System Development**	PE NUMBER AND TITLE **0207412F Control and Reporting Center (CRC)**	PROJECT NUMBER AND TITLE **485L Theater Air Control System Imp (TACSI)**

(U) **Schedule Profile**	FY 2008	FY 2009	FY 2010
(U) Remote Radio Spiral 3 Fielding FOC		3Q	
(U) Remote Radio Spiral 3 HF/SATCOM IOC Design/Development	1-4Q	1-4Q	1-4Q
(U) OM IFF Mode 5/S Study	2-4Q	1-2Q	
(U) OM v(5) SLEP with Mode 5/S Design/Development		2-4Q	1-4Q
(U) OM v(5) SLEP with Mode 5/S PDR			2Q
(U) Common Software, Increment 3, Design/Development	1-4Q		
(U) BCC Design/Development	1-4Q		
(U) 3DELRR Risk Reduction	1-4Q	1-4Q	
(U) 3DELRR Milestone A		3Q	

Exhibit R-2a, RDT&E Project Justification			DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0207412F Control and Reporting Center (CRC)	PROJECT NUMBER AND TITLE: 5294 Theater Air Control System Improvement - Radar (TACSI-R)	

Cost ($ in Millions)		FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
5294	Theater Air Control System Improvement - Radar (TACSI-R)	0.000	0.000	42.519	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

In FY08 & FY09, the Theater Air Control System Improvement - Radar (TACSI-R) Project, also known as Three Dimensional Expeditionary Long Range Radar (3DELRR), continues under Project 485L, Theater Air Control System Imp (TACSI).

Beginning in FY10, within PE 0207412F, partial funding was transferred from Project Number 485L, Project Title Control and Reporting Center (CRC), to Project Number 5294, Project Title Theater Air Control System Improvement - Radar (TACSI-R), to continue development of the AN/TPS-75 sensor replacement/upgrade, known as Three Dimensional Expeditionary Long Range Radar (3DELRR).

(U) A. Mission Description and Budget Item Justification

The 3DELRR program is developing a replacement for the current legacy AN/TPS-75 radar. 3DELRR will be the principal USAF long-range, ground-based sensor for detecting, identifying, tracking, and reporting aircraft and missiles in support of the Joint Forces Air Component Commander (JFACC) through the Ground Theater Air Control System (GTACS). The primary mission of the 3DELRR will be to provide long-range surveillance, control of aircraft, and theater ballistic missile detection and Combat Identification (CID). The 3DELRR will respond to the operational need to detect and report highly maneuverable, small radar cross section targets to enable battlespace awareness while at the same time mitigating the reliability, maintainability, and sustainability issues plaguing the AN/TPS-75 radar system. The 3DELRR will provide air controllers with a precise, real-time air picture of sufficient quality to conduct close control of individual aircraft under a wide range of environmental and operational conditions. In the case of theater missile defense operations, the 3DELRR will have the capability to detect, track, and disseminate target information to respective command and control nodes such as the CRC to disseminate for warning and engagement. Similarly, the joint targeting process will benefit from trajectory information provided by the 3DELRR, which will include launch and impact location.

In FY10, the 3DELRR Project Office will continue its contracted Technology Development (TD) phase efforts. 3DELRR acquisition activities include, but are not limited to, system requirements analysis, modeling and simulation, risk reduction, acquisition planning, capability demonstrations, preliminary design development, software and hardware component-level development, test and evaluation, and program protection planning. The TD phase will also produce the 3DELRR operational and technical requirements baseline and one or more preliminary system designs. Capability Demonstrations will verify that all component technologies meet Defense Department readiness requirements and technical reviews will appraise the design approach and verify it responds to the requirements baseline. Following the TD phase, emphasis will then shift toward system-level development and risk reduction work leading to a single, mature system design. Activities also include studies and analysis to support both current program planning and execution and future program planning.

Exhibit R-2a, RDT&E Project Justification		DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0207412F Control and Reporting Center (CRC)	PROJECT NUMBER AND TITLE: 5294 Theater Air Control System Improvement - Radar (TACSI-R)

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

		FY 2008	FY 2009	FY 2010
(U)	Continue development of AN/TPS-75 sensor replacement -- known as 3DELRR. Operational and technical requirements will be baselined, and emphasis will shift toward development and risk reduction work leading toward a system design. 3DELRR acquisition activities during this phase include, but are not limited to, system requirements analysis, modeling and simulation, risk reduction, acquisition planning, capability demonstrations, preliminary design development, software and hardware component-level development, program protection planning and maturing the life-cycle cost estimate. Capability Demonstrations will verify that all technologies meet readiness requirements and technical reviews will mature the design solution and verify it satisfies requirements.			36.424
(U)	Continue Program Support (i.e., travel, supplies, equipment, miscellaneous)			1.385
(U)	Continue Systems Engineering/Technical Support			4.710
(U)	Total Cost	0.000	0.000	42.519

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

	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total Cost
(U) N/A										

(U) D. Acquisition Strategy

The Three Dimensional Expeditionary Long Range Radar (3DELRR) Project is using multiple full and open competitions to further advance C2 capabilities supporting battlefield command and control.

Exhibit R-3, RDT&E Project Cost Analysis

DATE: May 2009

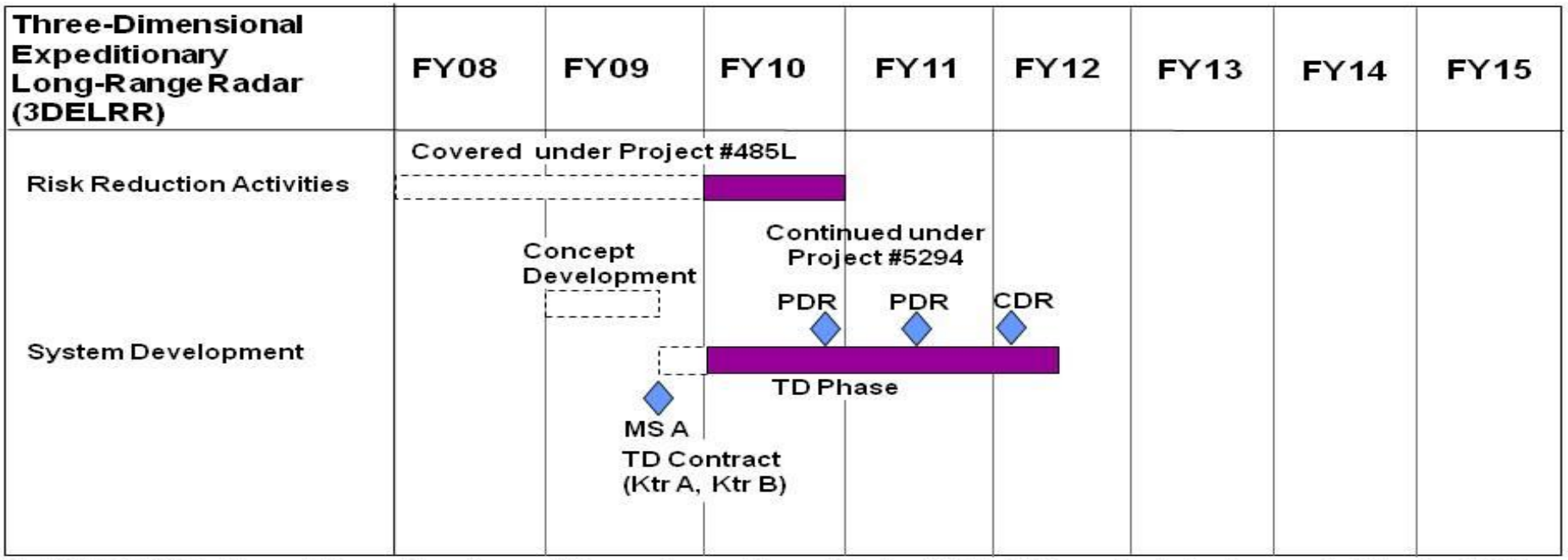
BUDGET ACTIVITY: 07 Operational System Development

PE NUMBER AND TITLE: 0207412F Control and Reporting Center (CRC)

PROJECT NUMBER AND TITLE: 5294 Theater Air Control System Improvement - Radar (TACSI-R)

(U)	Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2008 Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U)	Product Development												
	Development of Evolutionary Upgrades - Analysis of Alternatives, 3DELRR	T&M	Booz Allen Hamilton, Inc., McLean, VA						1.438	Nov-09		1.438	
	Development of Evolutionary Upgrades - Risk Reduction, 3DELRR	TBD	TBD						1.550	Nov-09	Continuing	TBD	TBD
	Development of Evolutionary Upgrades - Risk Reduction, 3DELRR	FFP	MIT/Lincoln Laboratory, Lexington, MA						1.800	Nov-09		1.800	
	Development of Evolutionary Upgrades - Test Planning, 3DELRR	MIPR	46TH TS, Eglin AFB, FL						0.900	Oct-09	Continuing	TBD	TBD
	Development of Evolutionary Upgrades - Technology Demonstration (TD), 3DELRR	TBD	TBD						30.736	Nov-09	Continuing	TBD	TBD
	Subtotal Product Development			0.000	0.000		0.000		36.424		Continuing	TBD	TBD
	Remarks:												
(U)	Support												
	Program Office Support	Various	Various						1.385	Oct-09	Continuing	TBD	TBD
	Systems Engineering	T&M	MITRE, Bedford, MA						1.772	Oct-09	Continuing	TBD	TBD
	Technical Support	T&M	Various						2.938	Dec-09	Continuing	TBD	TBD
	Subtotal Support			0.000	0.000		0.000		6.095		Continuing	TBD	TBD
	Remarks:												
(U)	Test & Evaluation												
												0.000	
	Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
	Remarks:												
(U)	Management												
												0.000	
	Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
	Remarks:												
(U)	Total Cost			0.000	0.000		0.000		42.519		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile		DATE May 2009
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207412F Control and Reporting Center (CRC)	PROJECT NUMBER AND TITLE 5294 Theater Air Control System Improvement - Radar (TACSI-R)



In FY08 & FY09, Three-Dimensional Expeditionary Long-Range Radar (3DELRR) was included as part of Project 485L, Theater Air Control System Improvement (TACSI).

Beginning in FY10, within PE 0207412F, partial funding was transferred from Project Number 485L, Project Title Control and Reporting Center (CRC), to Project Number 5294, Project Title Theater Air Control System Improvement - Radar (TACSI-R), to continue development of the AN/TPS-75 sensor replacement/upgrade, known as Three-Dimensional Expeditionary Long-Range Radar (3DELRR).

Major Event/Milestone

Design/Development

Development Test/Operational Test (DT/OT)

EMD: Engineering and Manufacturing Development
Ktr: Contractor
MS: Milestone
TD: Technology Development
TRR: Test Readiness Review

As of Apr 2009

Exhibit R-4a, RDT&E Schedule Detail		DATE: May 2009
BUDGET ACTIVITY: 07 Operational System Development	PE NUMBER AND TITLE: 0207412F Control and Reporting Center (CRC)	PROJECT NUMBER AND TITLE: 5294 Theater Air Control System Improvement - Radar (TACSI-R)

(U) Schedule Profile	FY 2008	FY 2009	FY 2010
(U) 3DELRR On-going Risk Reduction & System Development	1-4Q	1-4Q	1-4Q
(U) 3DELRR MS A		3Q	
(U) 3DELRR Technology Development Phase		3-4Q	1-4Q

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