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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy	DATE: April 2013
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APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>					PE 0604272N: <i>Tact Air Dir Infrared CM (TADIRCM)</i>							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	48.207	71.738	73.934	37.227	-	37.227	38.092	38.637	39.540	40.186	210.072	597.633
3302: <i>JATAS</i>	48.207	71.738	69.535	30.584	-	30.584	4.190	0.000	0.000	0.000	0.000	224.254
3304: <i>CIRCM</i>	0.000	0.000	4.399	6.643	-	6.643	33.902	38.637	39.540	40.186	210.072	373.379

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

This element includes development of electronic warfare systems for the United States Navy and United States Marine Corps assault and strike aircraft. This includes the development and testing of advanced Infrared Countermeasures systems for emerging threats and emergency contingencies. Realignment of project units from Tactical Aircraft Directed Infrared Countermeasures to Joint and Allied Threat Awareness System began in FY 2011. Common Infrared Countermeasures is a new start for the Navy with efforts to begin in FY 2013.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES because it includes all efforts necessary to evaluate integrated technologies, representative models or prototype systems in a high fidelity and realistic operating environment.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	64.097	73.934	37.609	-	37.609
Current President's Budget	71.738	73.934	37.227	-	37.227
Total Adjustments	7.641	0.000	-0.382	-	-0.382
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	9.068	0.000			
• SBIR/STTR Transfer	-1.427	0.000			
• Program Adjustments	0.000	0.000	-0.080	-	-0.080
• Rate/Misc Adjustments	0.000	0.000	-0.302	-	-0.302

Change Summary Explanation

Schedule: 3302 Changes are as follows JATAS: Milestone C from 1st Qtr 2014 to 2nd Qtr 2014; Contractor TRR from 4th Qtr 2012 to 2nd Qtr 2013.

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Changes in JATAS Engineering Development Model (EDM) deliveries are as follows: EDM Qual Test Comp deliveries from 4th Qtr 2012 to 2nd Qtr 2013. 3304 CIRCM MS-B moved from 3Q FY2013 to 1Q FY2015 and MS-C moved from 3Q FY2015 to 2Q FY 2017. The original dates were place holder while the Army worked toward a MS"A" decision. When the TD contract was awarded, the Army had to work through a protest period of 3.5 months. When the protest was completed and the team was ready to move forward with the TD phase, the final schedule approved by the Army PM has MS"B" in 1Q15. While it was hope to get a MS"B" decision in FY14 it was not smart to have the decision placed in the final quarter of the year. The PM made the decision to move the Milestone to 1Q FY15. Based on the EMD contract award, MS"C" is planned for 2Q17. The budget was updated with the current information once released by the Army.		

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 ITEM NOMENCLATURE PE 0604272N: Tact Air Dir Infrared CM (TADIRCM)				PROJECT 3302: JATAS			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3302: JATAS	48.207	71.738	69.535	30.584	-	30.584	4.190	0.000	0.000	0.000	0.000	224.254
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The Joint and Allied Threat Awareness System (JATAS AN/AAR-59) is required to provide assault aircraft with a reliable and improved surface-to-air Infrared (IR) missile/Hostile Fire Indication (HFI) threat detection system. This capability must provide accurate and timely warning in all flight regimes, ambient light conditions, clutter backgrounds and weather conditions. It must be capable of providing countermeasure cueing to flares and/or a Directional Infrared Countermeasures (DIRCM). JATAS will enable assault Aircraft Survivability Equipment to detect and provide countermeasure cueing for current and emerging threats. Lead Department of the Navy platform for this capability is the MV-22. Project was previously funded by the Tactical Aircraft Directed Infrared Countermeasure (TADIRCM) project unit. JATAS has been designated an ACAT IC program.												
PU 3302 JATAS began in FY 2011. Prior year efforts (FY 2008 - FY 2010) were funded via PU 3040 TADIRCM.												
In FY 2012, JATAS has been assigned a system nomenclature of AN/AAR-59.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Joint and Allied Threat Awareness System (JATAS AN/AAR-59) EMD Articles:									56.753	57.422	29.090	
									0	0	0	
Description: Continue Engineering and Manufacturing Development (EMD) phase and provide required program support for EMD phase.												
FY 2012 Accomplishments: Conduct Critical Design Review (CDR), Contractor Test Readiness Review (TRR), and began delivery of Engineering Development Model units to support contractor test and development.												
FY 2013 Plans: Conduct Government TRR, Maintenance Demonstration, and Integrated Test & Evaluation (IT&E).												
FY 2014 Plans: Continue IT&E, IOT&E, and achieve Milestone C (MS C)												
Title: Joint and Allied Threat Awareness System (JATAS AN/AAR-59) Integration									14.985	12.113	1.494	

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				R-1 ITEM NOMENCLATURE PE 0604272N: <i>Tact Air Dir Infrared CM</i> (TADIRCM)			PROJECT 3302: JATAS				

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)				FY 2012	FY 2013	FY 2014
Articles: <i>Description:</i> Provide platform integration support and JATAS A-kit development. FY 2012 Accomplishments: Conduct A-kit Preliminary Design Review and CDR. FY 2013 Plans: Complete development of A-kits to support IT&E. FY 2014 Plans: Continue IT&E and IOT&E.				0	0	0
Accomplishments/Planned Programs Subtotals				71.738	69.535	30.584

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• (APN) 0204161N/0576: JATAS AN/AAR-59	0.000	0.000	17.355		17.355	17.530	19.513	109.294	115.401	894.621	1,173.714
Remarks											
D. Acquisition Strategy A JATAS Capabilities Development Document (CDD) was approved in a Joint Requirements Oversight Council Memorandum dated 18 February 2011. Per the CDD, the JATAS will be an advanced Missile Warning System (MWS) designed to replace the legacy AN/AAR-47(V) MWS and increase the survivability of Marine Corps and Navy tilt-rotor and rotary wing aircraft against infrared threats. Additionally, the system will provide aircrew with warnings of laser-enabled weapon systems such as range finders, illuminators, and beam riders. The JATAS will interface with existing AN/ALE-47 Countermeasures Dispensing System, existing AN/APR-39 Radar Warning Receiver, existing Department of the Navy Large Aircraft Infrared Countermeasure system, and other compatible Directed Infrared Countermeasures systems as part of an integrated electronic countermeasures response to attacking infrared missiles. Additionally, the JATAS will provide Hostile Fire Indication (HFI) of small arms, rockets and other unguided threats and provide situational awareness in Visually Degraded Environments. Per the CDD, JATAS will be developed in two increments. Increment I (Phase I) includes the missile and laser warning capabilities and cueing of countermeasure systems. Increment I (Phase II) adds HFI capability against Type I and III threats during the Engineering and Manufacturing Development phase of this program. Increment II, when future technology advancements and funding permit, will develop HFI capability against Type II threats. The Joint and Allied Threat Awareness System (JATAS) Engineering and Manufacturing Development (EMD) phase is being executed via a Fixed Price Incentive Firm (FPIF) contract over an approximate 48-month period of performance, with one FPIF option for the low-rate initial production lot and Firm-Fixed Price (FFP) options for the first seven full-rate production lots. A JATAS Technology											

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PE 0604272N: *Tact Air Dir Infrared CM (TADIRCM)*
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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)						R-1 ITEM NOMENCLATURE PE 0604272N: Tact Air Dir Infrared CM (TADIRCM)				PROJECT 3302: JATAS					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hdw Dev JATAS I	C/CPIF	ATK:Clearwater, FL	8.209	0.000		0.000		0.000		-		0.000	0.000	8.209	8.209
Primary Hdw Dev JATAS I	C/CPIF	LM:Woodland Hills, CA	6.130	0.000		0.000		0.000		-		0.000	0.000	6.130	6.130
Primary Hdw Dev JATAS II	C/FPIF	ATK:Clearwater, FL	18.300	47.421	Nov 2011	35.518	Jun 2013	11.432	Nov 2013	-		11.432	1.438	114.109	114.109
Aircraft Integration JATAS II	C/CPIF	Bell-Boeing:Philadelphia, PA	3.801	7.926	Jun 2012	12.141	Jun 2013	1.494	Feb 2014	-		1.494	0.083	25.445	25.445
Modeling/Simulation JATAS	WR	NAWCWD:Point Mugu, CA	0.355	0.000		0.071	Dec 2012	0.000		-		0.000	0.000	0.426	
Sys Eng Govt JATAS	WR	NAWCAD:Pax River, MD	2.224	3.000	Dec 2011	5.084	Dec 2012	2.644	Dec 2013	-		2.644	0.300	13.252	
Sys Eng Govt JATAS	WR	FRC:Jacksonville, FL	0.093	0.075	Dec 2011	0.000		0.075	Dec 2013	-		0.075	0.000	0.243	
Subtotal			39.112	58.422		52.814		15.645		0.000		15.645	1.821	167.814	
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Configuration Mgmt JATAS	WR	NAWCAD:Pax River, MD	0.000	0.200	Dec 2011	0.000		0.000		-		0.000	0.000	0.200	
Integrated Logistics JATAS I	WR	Various:Various	0.727	0.256	Dec 2011	0.628	Dec 2012	0.413	Dec 2013	-		0.413	0.000	2.024	
Integrated Logistics JATAS II	C/CPFF	Wyle Labs:Huntsville, AL	0.473	0.355	Jun 2012	0.253	Jun 2013	0.515	Jun 2014	-		0.515	0.000	1.596	1.596
Sw Dev JATAS	WR	NAWCWD:Point Mugu, CA	0.490	0.553	Dec 2011	2.326	Dec 2012	0.937	Dec 2013	-		0.937	0.315	4.621	
Subtotal			1.690	1.364		3.207		1.865		0.000		1.865	0.315	8.441	

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Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental T&E JATAS	WR	Various:Various	0.000	2.846	Dec 2011	9.162	Dec 2012	6.229	Dec 2013	-		6.229	0.034	18.271	
Operational T&E JATAS	WR	COTF:Norfolk, VA	0.200	0.195	Jan 2012	0.015	Dec 2012	0.419	Jan 2014	-		0.419	0.180	1.009	
ENG & Eval JATAS	C/CPFF	Various:Various	0.000	0.367	Dec 2011	0.127	Dec 2012	0.266	Dec 2013	-		0.266	0.134	0.894	0.894
ENG & Eval Govt JATAS	WR	Various:Various	1.534	0.893	Jan 2012	0.322	May 2013	4.463	Jan 2014	-		4.463	0.285	7.497	
Test Assets JATAS	WR	NAWCWD:China Lake, CA	0.000	3.900	Sep 2012	0.000		0.000		-		0.000	0.000	3.900	
Subtotal			1.734	8.201		9.626		11.377		0.000		11.377	0.633	31.571	
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Eng Supt JATAS	C/CPFF	Various:Various	1.210	0.331	Dec 2011	0.269	Dec 2012	0.225	Dec 2013	-		0.225	0.340	2.375	2.375
Govt Eng Supt JATAS	WR	NAWCWD:Point Mugu, CA	2.006	1.842	Dec 2011	2.754	Dec 2012	0.717	Dec 2013	-		0.717	0.976	8.295	
Program Mgmt Supt JATAS	C/CPFF	Various:Various	1.200	0.880	Dec 2011	0.000		0.635	Dec 2013	-		0.635	0.000	2.715	2.715
Travel JATAS	WR	NAVAIR:Various	0.150	0.150	Dec 2011	0.150	Dec 2012	0.120	Dec 2013	-		0.120	0.105	0.675	
Direct Support Costs JATAS	WR	Various:Various	0.016	0.000		0.000		0.000		-		0.000	0.000	0.016	
Cost Analysis Supt JATAS	WR	NAWCAD:Pax River, MD	0.895	0.420	Dec 2011	0.715	May 2013	0.000		-		0.000	0.000	2.030	
NAWCAD Pax Supt JATAS	WR	NAWCAD:Pax River, MD	0.194	0.128	Dec 2011	0.000		0.000		-		0.000	0.000	0.322	
Subtotal			5.671	3.751		3.888		1.697		0.000		1.697	1.421	16.428	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy										DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 ITEM NOMENCLATURE PE 0604272N: Tact Air Dir Infrared CM (TADIRCM)					PROJECT 3302: JATAS			
	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	48.207	71.738		69.535		30.584		0.000		30.584	4.190	224.254	

Remarks

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PE 0604272N: *Tact Air Dir Infrared CM (TADIRCM)*
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R-1 ITEM NOMENCLATURE

PE 0604272N: *Tact Air Dir Infrared CM*
(*TADIRCM*)

3302: *JATAS*

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

1319: *Research, Development, Test & Evaluation, Navy*
BA 4: *Advanced Component Development & Prototypes (ACD&P)*

R-1 ITEM NOMENCLATURE

PE 0604272N: *Tact Air Dir Infrared CM*
(*TADIRCM*)

PROJECT

3302: JATAS



2014PB - 0604272N - 3302

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy
BA 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0604272N: Tact Air Dir Infrared CM
(TADIRCM)

PROJECT

3302: JATAS

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JATAS				
Acquisition Milestones: Milestones: Capabilities Production Document (CPD)	3	2013	3	2013
Acquisition Milestones: Milestones: Milestone C	2	2014	2	2014
Acquisition Milestones: Milestones: Beyond Low-Rate Initial Production Report (BLRIP)	1	2015	1	2015
Acquisition Milestones: Milestones: Joint and Allied Threat Awareness System (JATAS) Initial Operational Capability (IOC)	3	2015	3	2015
Systems Development: Technology Readiness Assessment for Milestone C (TRA MS C)	3	2013	4	2013
Systems Development: Functional Configuration Audit (FCA)	1	2014	1	2014
Systems Development: Physical Configuration Audit (PCA)	1	2015	1	2015
Systems Development: Reviews: Integrated Baseline Review IBR	2	2012	2	2012
Systems Development: Reviews: Preliminary Design Review (PDR) - A-kit	3	2012	3	2012
Systems Development: Reviews: Preliminary Design Review (PDR) - B-kit	3	2012	3	2012
Systems Development: Reviews: Critical Design Review (CDR) - A-kit	3	2012	3	2012
Systems Development: Reviews: Critical Design Review (CDR) - B-kit	3	2012	3	2012
Systems Development: Reviews: Test Readiness Review - Contractor (TRR Cont)	2	2013	2	2013
Systems Development: Reviews: Test Readiness Review - Government (TRR Govt)	2	2013	2	2013
Systems Development: Reviews: Flight Readiness Review (FRR)	1	2013	1	2013
Systems Development: Reviews: Production Readiness Review (PRR)	1	2014	1	2014
Systems Development: Reviews: Operational Test Readiness Review (OTRR)	3	2014	3	2014
Systems Development: Reviews: Full Rate Production Decision Review (FRP DR)	1	2015	1	2015
Test & Evaluation: Contractor Test and Evaluation (CT&E)	3	2012	2	2013
Test & Evaluation: OT Report 1 (OT)	1	2014	1	2014

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013	
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		Start		End
Events by Sub Project		Quarter	Year	Quarter Year
Test & Evaluation: Independent Operational Test and Evaluation (IOT&E)		3	2014	3 2014
Test & Evaluation: OT Report 2 (OT)		1	2015	1 2015
Test & Evaluation: Technical Evaluation: Initial Test and Evaluation (IT&E)		2	2013	3 2014
Test & Evaluation: Operational Evaluation: Operational Assessment (OA)		4	2013	4 2013
Production Milestones: Contract Awards: Low-Rate Initial Production (LRIP) I (APN)		1	2014	1 2014
Production Milestones: Contract Awards: Full Rate Production (FRP) I Award		2	2015	2 2015
Production Milestones: Contract Awards: Full Rate Production (FRP) 2 Award		2	2016	2 2016
Production Milestones: Contract Awards: Full Rate Production (FRP) 3 Award		2	2017	2 2017
Production Milestones: Contract Awards: Full Rate Production (FRP) 4 Award		2	2018	2 2018
Deliveries: Engineering Development Model (EDM) Qual Test Comp Deliveries		2	2013	2 2013
Deliveries: Engineering Development Model (EDM) Deliveries (1)		1	2013	1 2013
Deliveries: Engineering Development Model (EDM) Deliveries (3)		1	2013	1 2013
Deliveries: Engineering Development Model (EDM) Deliveries(2)		4	2013	4 2013
Deliveries: Engineering Development Model (EDM) Deliveries (2)		1	2014	1 2014
Deliveries: Low-Rate Initial Production Deliveries		1	2015	2 2016
Deliveries: Full Rate Production (FRP) I Deliveries		2	2016	2 2017
Deliveries: Full Rate Production (FRP) 2 Deliveries		2	2017	1 2018
Deliveries: Full Rate Production (FRP) 3 Deliveries		2	2018	4 2018

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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3304: <i>CIRCM</i>	0.000	0.000	4.399	6.643	-	6.643	33.902	38.637	39.540	40.186	210.072	373.379
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012 ^{##} The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
Common Infrared CounterMeasures (CIRCM) is a new start for the Navy with efforts to begin in FY 2013. This project includes the development, integration, and testing of a laser-based directed infrared countermeasure system for United States Navy and United States Marine Corps assault aircraft. This infrared countermeasure, when integrated with a missile warning detection system, will be capable of countering current and emerging IR threats. An USD(AT&L) Acquisition Decision Memorandum dated 15 April 09 designated the Army as the lead service for developing this capability for all rotary-wing, tilt-rotor, and small fixed-wing aircraft across the Department of Defense. It also designated the program as an ACAT 1D Special Interest program. The Army has designated the acquisition effort for this capability as the CIRCM program.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Title: CIRCM Technology Development (TD)										0.000	4.399	6.643
Articles:											0	0
FY 2013 Plans: Support TD phase and program support for CIRCM.												
FY 2014 Plans: Continue to Support TD phase and program support for CIRCM.												
Accomplishments/Planned Programs Subtotals										0.000	4.399	6.643
C. Other Program Funding Summary (\$ in Millions)												
N/A												
Remarks												
D. Acquisition Strategy												
CIRCM is a new start for the Navy with efforts to begin in FY 2013. CIRCM is an ACAT-ID Army lead acquisition program for the development, integration and production of an Infra-red Countermeasure for US Army, US Navy, and US Marine Corps assault aircraft. The Army will conduct a 21 month competitive prototyping TD phase with two contractors. During this time the contractors will deliver twelve prototypes for various test events with emphasis placed on reliability. Contractor(s) will concurrently develop preliminary designs for the CIRCM system, conduct Systems Requirements Review, System Functional Review, and Preliminary Design												

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Review Systems Engineering Technical Review events at appropriate times in the schedule. Upon completion of TD, the Army will conduct a competition for award of Engineering Manufacturing Development (EMD) contract(s). The EMD phase will be no more than 26 months and will include Critical Design Reviews, Test Readiness Reviews, EMD test assets and extensive testing. Following EMD there will be a yet to be defined Low Rate Initial Production phase where full qualification testing is conducted to support a First Unit Equipped date of FY 2018. <u>E. Performance Metrics</u> FY 2013: Successful demonstration of Common Infrared Countermeasures-Joint and Allied Threat Awareness System (CIRCM-JATAS) Initial Capabilities Document Interoperability in Lab environment Successful award of Engineering and Manufacturing Development (EMD) contract(s) FY 2014: Successful Critical Design Reviews and Technical Readiness Reviews		

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Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary HDW Dev CIRCM	TBD	TBD:TBD	0.000	0.000		0.000		1.985	Dec 2013	-		1.985	302.442	304.427	304.427
Sys Eng Govt CIRCM	WR	NAWCAD:Pax River, MD	0.000	0.000		2.225	Dec 2012	2.417	Dec 2013	-		2.417	19.175	23.817	
Subtotal			0.000	0.000		2.225		4.402		0.000		4.402	321.617	328.244	
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Logistics CIRCM I	WR	Various:Various	0.000	0.000		0.310	Dec 2012	0.310	Dec 2013	-		0.310	4.500	5.120	
Integrated Logistics CIRCM II	C/CPFF	Wyle Labs:Huntsville, AL	0.000	0.000		0.163	Jun 2013	0.171	Jun 2014	-		0.171	4.500	4.834	4.834
SW Dev CIRCM	WR	NAWCWD:Point Mugu, CA	0.000	0.000		0.118	Dec 2012	0.120	Dec 2013	-		0.120	5.512	5.750	
Subtotal			0.000	0.000		0.591		0.601		0.000		0.601	14.512	15.704	
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Eng & Eval CIRCM	C/CPFF	TBD:TBD	0.000	0.000		0.206	Dec 2012	0.210	Dec 2013	-		0.210	1.250	1.666	1.666
Eng & Eval Govt CIRCM	WR	Various:Various	0.000	0.000		0.641	Jan 2013	0.675	Jan 2014	-		0.675	9.031	10.347	
Subtotal			0.000	0.000		0.847		0.885		0.000		0.885	10.281	12.013	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy													DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>							R-1 ITEM NOMENCLATURE PE 0604272N: <i>Tact Air Dir Infrared CM (TADIRCM)</i>				PROJECT 3304: <i>CIRCM</i>				

Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Eng Supt CIRCM	C/CPFF	Various:Various	0.000	0.000		0.329	Dec 2012	0.340	Dec 2013	-		0.340	0.352	1.021	1.021
Govt Eng Supt CIRCM	WR	NAWCWD:Point Mugu, CA	0.000	0.000		0.118	Dec 2012	0.125	Dec 2013	-		0.125	11.250	11.493	
Travel CIRCM	WR	NAVAIR:Various	0.000	0.000		0.063	Dec 2012	0.060	Dec 2013	-		0.060	1.075	1.198	
Cost Analysis Supt CIRCM	WR	NAWCAD:Pax River, MD	0.000	0.000		0.226	Dec 2012	0.230	Dec 2013	-		0.230	3.250	3.706	
Subtotal			0.000	0.000		0.736		0.755		0.000		0.755	15.927	17.418	

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	0.000	4.399	6.643	0.000	6.643	362.337	373.379	

Remarks

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PE 0604272N: *Tact Air Dir Infrared CM (TADIRCM)*
Navy

R-1 Line #72

R-1 ITEM NOMENCLATURE

PE 0604272N: *Tact Air Dir Infrared CM*
(*TADIRCM*)

3304: CIRCM



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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0604272N: Tact Air Dir Infrared CM (TADIRCM)	PROJECT 3304: CIRCM	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
CIRCM				
Acquisition Milestones: Milestones: Milestone A (MS-A)	1	2012	1	2012
Acquisition Milestones: Milestones: Post Award Conference (PAC)	4	2012	4	2012
Acquisition Milestones: Milestones: Milestone B (MS-B)	1	2015	1	2015
Acquisition Milestones: Milestones: Milestone C (MS-C)	2	2017	2	2017
Systems Development: Technical Readiness Assessment (TRA)	4	2012	3	2014
Systems Development: Technical Readiness Assessment Preliminary Report (TRA PR)	4	2013	4	2013
Systems Development: Technical Readiness Assessment Final Report (TRA FR)	3	2014	3	2014
Systems Development: Functional Configuration Audit (FCA)	4	2016	4	2016
Systems Development: Reviews: System Requirements Review (SRR)	4	2012	4	2012
Systems Development: Reviews: Integrated Baseline Review (IBR TD)	4	2012	4	2012
Systems Development: Reviews: System Functional Review (SFR)	3	2013	3	2013
Systems Development: Reviews: Preliminary Design Review (PDR)	4	2013	4	2013
Systems Development: Reviews: Integrated Baseline Review (IBR EMD)	2	2015	2	2015
Systems Development: Reviews: Critical Design Review (CDR)	3	2015	3	2015
Systems Development: Reviews: Production Readiness Review (PRR)	1	2017	1	2017
Test & Evaluation: Developmental Test & Evaluation - TD (DT&E-TD)	1	2013	2	2014
Test & Evaluation: Developmental Test & Evaluation - EMD (DT&E-EMD)	2	2015	1	2017
Test & Evaluation: Test Readiness Review (TRR)	2	2016	2	2016
Test & Evaluation: A-Kit Qualification Test	3	2017	1	2018
Test & Evaluation: B-Kit Qualification Test	2	2018	4	2018

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)		R-1 ITEM NOMENCLATURE PE 0604272N: Tact Air Dir Infrared CM (TADIRCM)		PROJECT 3304: CIRCM
		Start		End
Events by Sub Project		Quarter	Year	Quarter Year
Test & Evaluation: Technical Evaluation: Integrated Operational Test & Evaluation (IOT&E)		3	2017	4 2018
Production Milestones: Contract Awards: TD Contract Award		2	2012	2 2012
Production Milestones: Contract Awards: EMD Contract Award		2	2015	2 2015
Production Milestones: Contract Awards: LRIP I Contract Award		3	2017	3 2017
Production Milestones: Contract Awards: LRIP II Contract Award		3	2018	3 2018
Production Milestones: Deliveries: Prototype I Deliveries		2	2013	2 2013
Production Milestones: Deliveries: Prototype II Deliveries		2	2013	2 2013
Production Milestones: Deliveries: Prototype III Deviveries		4	2013	4 2013
Production Milestones: Deliveries: Test Article I Deliveries		1	2016	1 2016
Production Milestones: Deliveries: Test Article II Deliveries		2	2016	2 2016
Production Milestones: Deliveries: Test Article III Deliveries		2	2016	2 2016