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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE				PROJECT		DATE: February 2011			
1319: Research, Development, Test & Evaluation, Navy		PE 0305204N: Tactical Unmanned Aer Vehicles				3332: CARGO UAS					
BA 7: Operational Systems Development											
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
3332: CARGO UAS	26,500	-	-	-	-	-	-	-	-	0,000	26,500
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

CARGO UAS is funded under Program Element 0305204N Project Unit 3332, initiated upon receipt of FY10 Overseas Contingency Operations Supplemental Surge II funding in the amount of \$26.5M, and a Special Operation Forces Rotary Wing Aviation Above Threshold Reprogramming of \$25.0M (not reflected in FY10 total in this exhibit), for 4 proof of concept air vehicles, 6 Forward Operating Bases(FOB) Ground Control Stations, non-recurring engineering and testing efforts.

A. Mission Description and Budget Item Justification

The Cargo UAS will address the immediate Marine Corps need as described in the Joint Urgent Operational Needs Statement (CC-0375) for combat re-supply of remote FOBs without unnecessary risk to Marine Corps personnel or high volume logistics assets. This need has been filled by ground transportation (truck convoys) and with manned assault support cargo rotary wing assets. Both alternatives expose unnecessary risk to Marine Corps personnel, and impact the availability of the aviation assets for other combat support missions. The Cargo UAS service will apply to the deployed I Marine Expeditionary Force (I MEF), Forward, deployed in Afghanistan. The current concept of operations is to provide support from one Main Operating Base to three FOBs.

Current combat operations have highlighted the vulnerability and effectiveness of existing modes of resupply. To mitigate this threat, it is imperative that alternative methods to resupply remote Spokes (also called FOBs) be employed. A vertical lift Cargo UAS is required to augment existing resupply methods in Afghanistan and is required immediately to fulfill war fighter needs. Special Operations Command will monitor the program to help determine their future requirements.

A Cargo UAS is comprised of air vehicles, Ground Control Stations and associated spares and support equipment. The system will support the I MEF, Forward while operating from selected FOBs. The air vehicles and remote terminal control stations are procured by the government, and the Cargo UAS is operated as a Government Owned, Contractor Operated system.

The Cargo UAS was granted Rapid Deployment Capability (RDC) program status by the Assistant Secretary of the Navy for Research, Development and Acquisition on 17 May 2010. The RDC program designation number is to be assigned.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

Title: Hardware and System Development	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
FY 2010 Accomplishments:	23,388	-	-	-	-
Articles:	4				

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Exhibit R-3, RD1&E Project Cost Analysis: PB 2012 Navy

DATE: February 2011

APPROPRIATION/BUDGET ACTIVITY
 1319: Research, Development, Test & Evaluation, Navy
 BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE
 PE 0305204N: Tactical Unmanned Aer Vehicles
 PROJECT
 3332: CARGO UAS

Product Development (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date				
Primary Hardware Development	C/FPP	Frontier Systems, Irvine, CA	12,444	-	-	-	-	-	-	-	0.000	12,444	41,000
Primary Hardware Development	C/FPP	Lockheed Martin:Owego NY	10,944	-	-	-	-	-	-	-	0.000	10,944	10,944
Subtotal			23,388	-	-	-	-	-	-	-	0.000	23,388	51,944

Remarks

FY10 Primary Hardware Development contracts will increase by \$12.5M each, once the \$25M SOF Rotary Wing Aviation Above Threshold Reprogramming is included in the controls.

Test and Evaluation (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date				
Development Test & Evaluation	Various	Various:Various	2,137	-	-	-	-	-	-	-	0.000	2,137	4,000
Subtotal			2,137	-	-	-	-	-	-	-	0.000	2,137	4,000

Management Services (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date				
Program Management Support	WR	NAWCAD:Paluxent River, MD	0.875	-	-	-	-	-	-	-	0.000	0.875	
Travel	WR	NAV/AIR:Paluxent River, MD	0.100	-	-	-	-	-	-	-	0.000	0.100	
Subtotal			0.975	-	-	-	-	-	-	-	0.000	0.975	

Remarks
 Travel contract type is TO.