

Subject: Omnibus 2011 - II						DoD Serial Number: FY 11-25 PA		
Appropriation Title: Various Appropriations						Includes Transfer? Yes		
Component Serial Number:	(Amounts in Thousands of Dollars)							
	Program Base Reflecting Congressional Action		Program Previously Approved by Sec Def		Reprogramming Action		Revised Program	
Line Item	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
a	b	c	d	e	f	g	h	i
0604567N Ship Contract Design/ Live Fire T&E								
		165,822		165,822		+10,600		176,422
<u>Explanation:</u> Funds are required to provide for DDG-51 Hybrid Electric Drive Proof of Concept. Electric motor attached to main reduction gear allows for electric propulsion mode resulting in improved fuel economy. Expanded industry participation was funded to develop additional component and system designs. Current maturity is TRL 5, TRL 6 will be achieved at completion of demonstration at Land Based Engineering Site (LBES) beginning in FY 2011. The system will be installed on one shaft of USS TRUXTUN (DDG-103) for a Sea Trial Demo in FY 2012. This will provide an operational environment for testing mechanical, electrical, and machinery control systems. This is an Operational Energy Initiative.								
<u>Budget Activity 07: Operational System Development</u>								
0205601N HARM Improvement 12,139 12,139 +3,100 15,239								
<u>Explanation:</u> Funds are required to support the development of Digital Rocket Launchers for 2.75" rockets to include launcher design and build, and MH-60R/S platform integration and operational testing. This accelerates an FY 2012 requirement. This is a CENTCOM requirement.								
0208058N Joint High Speed Vessel (JHSV)								
		3,568		3,568		+12,500		16,068
<u>Explanation:</u> Funds are required to develop Waterjet Drive efficiency improvements for JHSV. Current waterjets are designed for high speed but half of the propulsion fuel is used at endurance and low cruise speeds. Better flow alignment and greater volume inlets along with modified nozzles will improve low speed powering efficiency. This is an Energy Conservation Initiative.								
0305206N Airborne Reconnaissance Systems								
		49,945		49,945		+17,000		66,945
<u>Explanation:</u> Funds are required to support Combat Dragon II (CD II). CD II is a limited objective experiment/ Joint Combat Validation to determine if properly employed turboprop-driven light attack aircraft will increase the synergy and improve the coordination between the Aviation Combat Element and the Ground Combat Element. This should result in expanded capacity and increased effectiveness of airpower in an information warfare environment, while reducing costs and preserving for future employment of high-end/special aviation resources currently performing similar missions. This is a CENTCOM requirement. This is a new start .								