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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			
1319: Research, Development, Test & Evaluation, Navy				PE 0602131M: Marine Corps Lndg Force Tech				9999: Congressional Adds			
BA 2: Applied Research											
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
9999: Congressional Adds	6.473	-	-	-	-	-	-	-	-	0.000	6.473
A. Mission Description and Budget Item Justification											
Congressional Interest Items not included in other Projects.											
B. Accomplishments/Planned Programs (\$ in Millions)											
Congressional Add: High Power Ultra Lightweight Zinc-Air Battery											
FY 2010 Accomplishments: This effort provided applied research to significantly increase the power capability of existing air electrodes in existing zinc-air batteries which will significantly reduce the weight of batteries carried by Marine Corps expeditionary personnel in the field while maintaining the same footprint as the existing BA 5590 primary battery.											
Congressional Add: Warfighter Rapid Awareness Processing Technologies											
FY 2010 Accomplishments: This effort addressed key elements of rapid awareness processing technologies:											
<ul style="list-style-type: none"> - Validated sleep/fatigue monitor (in the field). - Completed work on viability of a non-invasive physiological estimate of a subjects stress level. - Completed work on the field deployable PANOS hardware hub (personal area network of sensors) along with Vivosense software suite. - Developed new non-intrusive hardware to predict muscle state. - Defined and developed new metrics for estimation of a war fighter physical reserve. - Validated the new physical reserve metric in the field. 											
Congressional Adds Subtotals										FY 2010	FY 2011
										4.481	-
C. Other Program Funding Summary (\$ in Millions)											
N/A											
D. Acquisition Strategy											
Not applicable.											
E. Performance Metrics											
Congressional adds.											

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