FY 2007 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET DATE: Feb 2006
Exhibit R-2

BUDGET ACTIVITY: 02
PROGRAM ELEMENT: 0602234N
PROGRAM ELEMENT TITLE: MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY

COST: (Dollars in Thousands)

Project Number & Title	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate
MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY	3,858	1,500	0	0	0	0	0

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This Program Element is funded in its entirety by Congressional Adds.

BUDGET ACTIVITY: 02
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B. PROGRAM CHANGE SUMMARY:

	FY 2005	FY 2006	FY 2007
FY 2006 President's Budget Submission	3,962	0	0
Congressional Action	0	1,500	0
Congressional Undistributed Reductions/Rescissions	-3	0	0
FY 2005 SBIR	-102	0	0
Program Adjustments	1	0	0
FY 2007 President's Budget Submission	3,858	1,500	0

PROGRAM CHANGE SUMMARY EXPLANATION:
Technical: Not applicable.

Schedule: Not applicable.

C. OTHER PROGRAM FUNDING SUMMARY:
Not applicable.

D. ACQUISITION STRATEGY:
Not applicable.

E. PERFORMANCE METRICS:

BUDGET ACTIVITY: 02
PROGRAM ELEMENT: 0602234N
PROGRAM ELEMENT TITLE: MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY

CONGRESSIONAL PLUS-UPS:

	FY 2005	FY 2006
AGILE MANUFACTURING CENTER FOR CASTINGS TECHNOLOGY - KEYPORT NAVAL BASE	964	1,500

FY 2005 Accomplishment: Effort supported the DoD Agile Manufacturing Center for Castings Technology at the Naval Undersea Warfare Center, Newport, RI.

FY 2006 Plan: This effort supports the agile manufacturing center for casings technology.

	FY 2005	FY 2006
FORMABLE ALIGNED CARBON THERMOSETS (FACTS)	1,447	0

FY 2005 Accomplishment: Effort developed data and information required to design and fabricate parts for Navy aircraft using the Formable Aligned Carbon ThermoSet (FACT) material.

	FY 2005	FY 2006
POROUS MATERIALS	1,447	0

FY 2005 Accomplishment: This effort determined the corrosion-fatigue crack growth kinetics, studied the stress-corrosion cracking resistance and investigated the deformation processes and cracking mechanisms in bi-modal grain structured aluminum alloys. This work is essential to efforts to utilize new, very high strength aluminum alloys in future Navy and Marine Corp combat vehicles and ships. It provided data on fatigue and stress corrosion cracking on nanostructured aluminum alloys.

C. OTHER PROGRAM FUNDING SUMMARY:

D. ACQUISITION STRATEGY: