FY 2009 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET DATE: February 2008
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 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate
MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY	971	1,987	0	0	0	0	0

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

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B. PROGRAM CHANGE SUMMARY:

	FY 2007	FY 2008	FY 2009
FY 2008/FY 2009 President's Budget Submission	996	0	0
Congressional Action	0	2,000	0
Congressional Undistributed Reductions/Rescissions	0	-13	0
SBIR Assessment	-25	0	0
FY 2009 President's Budget Submission	971	1,987	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:
Not applicable.

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CONGRESSIONAL PLUS-UPS:

	FY 2007	FY 2008
CENTER FOR MICROWAVE FERRITIES AND MULTIFUNCTIONAL INTEGRATED CIRCUITS	971	0

This effort supported the Center for Microwave Ferrities and Multifunctional Integrated Circuits. Hexa-ferrite barium iron oxide (Ba FeO3) films were grown on molecular beam epitaxially (MBE) prepared seed layers by liquid phase epitaxy, characterized at microwave frequency for compatibility with wide electronic bandgap RF semiconductor circuits. Thin metal film passive RF IC component devices were also studied.

	FY 2007	FY 2008
INFRARED MATERIALS LABORATORIES	0	1,987

This effort will improve the technology for long wavelength mercury cadmium telluride based infra-red focal plane arrays (FPAs).