Exhibit R-2, RDT&E Budget Item Justification				Date: February 2004		
APPROPRIATION/BUDGET ACTIVITY DEFENSE WIDE RDT&E B.A. 4				R-1 ITEM NOMENCLATURE PHYSICAL SECURITY EQUIPMENT PE 0603228D8Z		
COST ($ in millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Total PE Cost	46.872	**1.183**	0.000	0.000	0.000	0.000	0.000
ASPSS	0.500						
CROWS	0.400						
Delay/Denial D/D	0.900						
Product Development/Qualification	0.925						
Advanced Technology Program	0.948						
Product Testing & Support	0.930						
SAFE Gate (previously Smart Gate)	0.775						
MDARS-I	0.800						
MDARS-E	0.550						
COTS	4.202						
Technology Base	14.293						
TASS	4.097						
WSS	3.353						
EDE	7.514						
Locks, Safes, Vaults	1.415						
HVISS	2.500						
PEWD II	0.000						
ETF	2.000						
SEMD	0.770	1.183	0.000	0.000	0.000	0.000	0.000

A. Mission Description and Budget Item Justification:

** Effective October 1, 2003, OSD PBD 203C transferred funding for this program to the Air Force and DTRA for management and execution. However, Congress added funds to the FY 04 Defense Appropriations Bill even after appeal by OSD.

This program is a budget activity level 4 based on the concept/technology development activities ongoing within the program. The purpose of this program is to develop physical security equipment (PSE) systems for all DoD components, to include Force Protection. This program supports the protection of tactical and nuclear weapons systems, DoD personnel and DoD facilities. Funding for critical RDT&E security improvements within Service channels fluctuated widely over the years and

prompted the FY 1989 Congressionally directed consolidation of the Services and former Defense Special Weapons Agency (DSWA) / Defense Threat Reduction Agency (DTRA) PSE RDT&E funds into this single OSD controlled program element. The funds are used to provide PSE RDT&E for individual Service and Joint PSE requirements. The PSE program is organized so that an ongoing DoD-coordinated Joint Action Group, consisting of Army, Navy, Air Force, and Defense Threat Reduction Agency (DTRA) representatives monitors, directs and prioritizes potential and existing PSE programs. With few exceptions, each Service sponsors RDT&E efforts for technologies and programs that have multi-service application. The funds are also used to evaluate applied research of Physical Security Equipment. This program element supports the Army's advanced engineering development of Interior and Exterior Detection, Security Lighting, Security Barriers and Security Display Units. In a like manner, the program element also supports the Air Force's PSE RDT&E effort in the areas of Exterior Detection/Surveillance, Entry Control, Delay/Denial, Tactical Systems and Airborne Intrusion. Finally, the program supports Navy RDT&E efforts in the areas of Waterside Security, Explosive Detection, and improved technology for Locks, Safes and Vaults. Beginning with FY 1997, this PE includes funding for Force Protection Commercial-Off-The-Shelf (FP COTS) evaluation and testing, which has received focus since the 1996 Khobar Towers terrorist bombing incident. The FP COTS testing applies to all available technologies, which are considered effective for DoD use.

(U) <u>FY 2003 Accomplishments</u>
  Effective October 1, 2003, funding for this program transfers to the Air Force. Please refer to PE 0603287F for FY 2003 accomplishments.

B. Program Change Summary:

	FY 2003	FY 2004	FY 2005
Previous President's Budget	47.519	0.000	0.000
Current FY 2005 President's Budget	46.872	1.183	0.000
Total Adjustments			
Congressional program reductions	-.647		
Congressional rescissions			
Congressional increases		1.183	

Reprogrammings
SBIR/STTR Transfer

C. Other Program Funding Summary:
Not Applicable

D. Acquisition Strategy:
Not Applicable

Exhibit R-2a, RDT&E Budget Item Justification					Date: February 2004	
APPROPRIATION/BUDGET ACTIVITY RESEARCH, DEVELOPMENT, TEST, & EVALUATION, DEFENSE-WIDE, BUDGET ACTIVITY 4				R-1 ITEM NOMENCLATURE PHYSICAL SECURITY EQUIPMENT PE 0603228D8Z			
COST ($ in millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
SEMD	0.770	1.183	0.000	0.000	0.000	0.000	0.000

A. Mission Description and Budget Item Justification:

The purpose of the Security Enhancement through Mobile Devices (SEMD) project is to enhance the ability of the Naval Criminal Investigative Service (NCIS) and security personnel at U.S. Navy facilities to perform their primary mission of protecting U.S. Navy personnel, installations and other assets. This will be done through the utilization of mobile devices to automate the process of authentication of identification cards and documents presented by individuals seeking entry into U.S. Navy facilities. SEMD will also automate checking federal, state and local Law Enforcement databases for "Be On the Look Out" (BOLO) information and generate Suspicious Incident Reports. SEMD will provide for the secure access, reporting and dissemination of information.

B. Accomplishments/Planned Program

	FY 2003	FY 2004	FY 2005
Accomplishment/ Effort/Subtotal Cost	0.770		
RDT&E Articles Quantity * (as applicable)			

- Survey of commercially available mobile devices suitable for NCIS agents and security guards (Personal Data Assistants – PDAs) magnetic strip readers, barcode readers (1-D and 2-D), wireless communications devices.
- Test and evaluate of selected commercial mobile devices to determine suitability.
- Survey of wireless data service coverage at two U.S. Navy installations in the Pacific Northwest Region.
- Requirements analysis for mobile NCIS agents.
- Requirements analysis for base security guards.
- Requirements analysis for access to NCIS, FBI and Washington State databases (in progress, Task continues in FY 2004).

	FY 2003	FY 2004	FY 2005
Accomplishment/ Effort/Subtotal Cost		1.183	0.000
RDT&E Articles Quantity * (as applicable)			

- Develop, integrate and test a prototype Gate Guard version of SEMD.
- Develop, integrate and test a prototype mobile NCIS agent version of SEMD.
- Integrate SEMD with the NCIS, WACIC and CLEOC law enforcement databases.

C. Other Program Funding Summary
Not Applicable

D. Acquisition Strategy:
Transition to Program of record in FY 2006.

E. Major Performers:
Mobilisa Inc., Port Townsend, WA
Space and Naval Warfare Systems Center, San Diego, CA

Exhibit R-3 Cost Analysis (page 1)							Date:	February 2004					
DEFENSE-WIDE BUDGET ACTIVITY 4			Program Element PE 0603228D8Z				SEMD						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	2003 Cost	2004 Cost	2004 Award Date	2005 Cost	2005 Award Date	2006 Cost	2006 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development												
Ancilliary Hardware Development												
Systems Engineering				0.100								
Licenses												
Tooling												
GFE												
Award Fees												
Subtotal Product Development				0.100								

Remarks:

Development Support			0.500									
Software Development				0.680								
Training Development												
Integrated Logistics Support												
Configuration Management				0.050								
Technical Data				0.050								
GFE												
Subtotal Support			0.500	0.780								

Remarks:

Exhibit R-3 Cost Analysis (page 2)							Date:		February 2004			
DEFENSE-WIDE BUDGET ACTIVITY 4			Program Element PE 0603228D8Z				SEMD					
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	2003 Cost	2004 Cost	2004 Award Date	2005 Cost	2005 Award Date	2006 Cost	2006 Award Date	Cost To Complete	Total Cost	Target Value of Contract
DT				0.150								
IOT&E												
Subtotal T&E				0.150								
Remarks:												
Contractor Engineering Support												
Government Engineering Support			0.270	0.075								
Program Management Support				0.075								
Program Management Personnel												
Travel												
Labor (Research Personnel)												
Miscellaneous												
Subtotal Management			0.270	0.150								
Remarks:												

Total Cost			0.770	1.180								
Remarks:												

Exhibit R-4, Schedule Profile				Date: February 2004	
Appropriation/Budget Activity DEFENSE WIDE RDT&E/B.A. #4		Program Element Number and Name PE 20062003228D8Z Physical Security Equipment		Project Number and Name SEMD	

Fiscal Year	2001				2002				2003				2004				2005				2006				2007				2008				2009			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Prototypes, Gate Guard and NCIS Agent																▲																				
Integrate with NCIS, WACIC and CLEOC databases																▲																				
Integrate with Base CAD System, Pacific NW Region HQ																▲																				
Develop SEMD Fusion Tools																		▲																		
Integrate with NCIS LinX Program																		▲																		
Develop Waterside SEMD																		▲																		
Develop Arabic Transliteration																		▲																		
Field Test																		▲																		

Exhibit R-4a, Schedule Detail				Date: February 2004				
Appropriation/Budget Activity RDT&E, Defense Wide/ Budget Activity 4		Program Element Number and Name PE 0603228D8Z		Project Number and Name SEMD				
Schedule Profile	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Protoypes, Gate Guard and NCIS Agent			4Q					
Integrate with NCIS, WACIC and CLEOC databases			4Q					
Integrate with Base CAD System, Pacific NW Region HQ			4Q					
Develop SEMD Fusion Tools				3Q				
Integrate with NCIS LinX Program				3Q				
Develop Waterside SEMD				3Q				
Develop Arabic Transliteration				3Q				
Field Test				3Q				

R-4a Schedule Profile