#### **CLASSIFICATION:**

### **UNCLASSIFIED**

EXHIBIT R-2, RDT&E Budget Item Justification							DATE:	
							Februai	ry 2004
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMEN		•	
RESEARCH DEVELOPMENT TEST & EVALUAT	ION, NAVY /	BA-6			0604258N TARGE	T SYSTEMS DEV	ELOPMENT (TSD)	
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Total PE Cost		45.856	37.219	35.677	41.564	42.979	43.830	44.695
A0609 Aerial Target Systems Development		35.225	21.942	23.660	31.336	31.428	29.863	32.326
A0610 Wpn Systs T&E Development/Procurement		9.494	11.547	11.049	9.238	10.361	12.753	11.130
20612 Surface Targets Development		1.109	0.855	0.968	0.990	1.190	1.214	1.239
K3045 Terrier/SSST		0.028	2.875	0.000	0.000	0.000	0.000	0.000

#### A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This program element funds the development and procurement of aerial and surface targets, and associated Target Augmentation and Auxiliary Systems (TA/AS) necessary to duplicate or simulate threat characteristics. This requirement is necessary to support weapons systems test and evaluation and fleet training. This program element includes the development of: Subsonic Subscale Aerial Target (SSAT), various TA/AS, Target Threat Characterization (TTC), Supersonic Sea Skimming Target (SSST), Navy Full Scale Aerial Target (FSAT) for conversions, the FSAT Follow-On (FO), surface targets for test and evaluation, surface towed targets, improved target control system, and an anti-radiation missile target. This program element also includes Vandal Extended Range testing and procurement of TA/AS Vector Scoring.

R-1 SHOPPING LIST - Item No.

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**UNCLASSIFIED** 

Exhibit R-2, RDTEN Budget Item Justification (Exhibit R-2, page 1 of 19)

#### CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AND	NAME		PROJECT NUMBE	R AND NAME		
RDT&E, N / BA-6	0604258N/Target	Systems Developn	nent		A0609/Aerial Targe	et Systems Develop	ment	
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost		35.225	21.942	23.660	31.336	31.428	29.863	32.326
RDT&E Articles Qty								

#### A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Aerial Target Systems and associated target augmentation and auxiliary systems are developed to test and provide training for Joint Strike and Littoral Warfare Systems required to defend fleet surface and air units in a hostile environment. The threat envelope covered extends from the surface to 100K feet for speeds in the low subsonic range to MACH 4. This project includes:

- -Subsonic Subscale Aerial Target (SSAT) development (including pre-planned product improvements to the existing recoverable, remote-controlled subsonic target upgraded engine, fuselage, swept wing configuration). The SSAT simulates the anti-ship Cruise Missile threat.
- -Supersonic Sea Skimming Target (SSST) development. The current developmental SSST replicates anti-ship cruise missile Threat-C performance.
- -Target Augmentation and Auxiliary Systems (TAAS) development. TAAS items allow each target to be uniquely configured for specific mission profiles. TAAS configured targets are used for radar acquisition test, electronic countermeasures (jamming) evaluation, infrared measurement/test, radar cross section evaluation, decoy effectiveness, maneuver analysis, electronic warfare, warhead effectiveness and evaluation of fleet tactics, readiness and effectiveness.
- -Support for core modeling & simulation lab capability, including development and integration of analytical and hardware-in-the-loop simulations, and engineering/technical support to verify and valide target simulations. Continued Target Threat Characterization (TTC).

R-1 SHOPPING LIST - Item No.

#### **CLASSIFICATION:**

RDT&E Articles Quantity

EXHIBIT R-2a, RDT&E Project Justification				DATE: February 2004	
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	BER AND NAME	PROJECT NUMBER AND	•	
DT&E, N / BA-6	0604258N/Target Syste	ms Development	A0609/Aerial Target Syster	ns Development	
) B. Accomplishments/Planned Program					
	FY 02	FY 03	FY 04	FY 05	[
Continued Subsonic Subscale Aerial Target Dev.		18.848	16.802	11.334	
RDT&E Articles Quantity					
Continued Subsonic Subscale Aerial Target (SSAT)	Development, including product	improvements to the exi	sting SSAT (upgraded engine, s	wept wing configuration and fu	selage upgrades).
	FY 02	FY 03	FY 04	FY 05	Ī
Continued Target Threat Characterization (TTC)	1				

Support for core modeling & simulation lab capability. Includes development and integration of analytical and hardware-in-the-loop simulations. Engineering and technical support for the verification and validation of target simulations. Continued Target Threat Characterization (TTC).

	FY 02	FY 03	FY 04	FY 05
Continued Target Augmentation and Auxillary Systems		3.008	4.203	4.720
RDT&E Articles Quantity				

Continued Target Augmentation and Auxillary Systems (TA/AS) development.

R-1 SHOPPING LIST - Item No.

Exhibit R-2, RDTEN Budget Item Justification (Exhibit R-2, page 3 of 19)

#### **CLASSIFICATION:**

	ion		DATE: February 2004	
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAM	ME PROJECT NUMBER AND N		
DT&E, N / BA-6	0604258N/Target Systems Developr			
I) B. Accomplishments/Planned Program		ricoto, richial ralgot eyelen	Dorotopino	
	FY 02 FY	03 FY 04	FY 05	
Supersonic Sea Skimming Target (SSST)	13.3		7.606	
RDT&E Articles Quantity				
-Initiate development of salvo firing and multip -Conduct alternative booster system study an -Continue improvement of system deficiencie -Conduct Aerial Target Launch Ship (ATLS) in	d initiate alternative booster system development. s identified during EMD. ntegration.			
-Develop improved telemetry transmission ca	pabilities.			
	pabilities.  FY 02  FY	03 FY 04	FY 05	
		03 FY 04	FY 05	
-Develop improved telemetry transmission ca	FY 02 FY			
-Develop improved telemetry transmission ca			FY 05	

R-1 SHOPPING LIST - Item No.

#### CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification					I	DATE:			
					38018		Febru	ary 2004	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER	AND NAME		PROJECT NUM	IBER AND NA	ME			
RDT&E, N / BA-6	0604258N/Target Systems Deve	lopment		A0609/Aerial Ta	arget Systems	Development			
(U) C. PROGRAM CHANGE SUMMARY:									
(U) Funding:		FY 2003	FY 2004	FY 2005					
Previous President's Budget:		29.772	22.189	23.417					
Current BES/President's Budget		35.225	21.942	23.660					
Total Adjustments	_	5.453	-0.247	0.243					
Summary of Adjustments									
Congressional program reductions									
Congressional undistributed reductions			-0.247						
Congressional rescissions									
SBIR/STTR Transfer		-0.600							
Economic Assumptions				-0.043					
Reprogrammings		5.131							
Other Navy/OSD Adjustments		0.922							
Reprioritization	_			0.286					
Subtotal		5.453	-0.247	0.243					
(U) Schedule:									
Not applicable.									
(U) Technical: Not applicable.									
(U) D. OTHER PROGRAM FUNDING SUMMARY:									
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To <u>Complete</u>	Total <u>Cost</u>
228000 Aerial Target System	66.605	77.718	72.686	127.064	88.126	89.933	91.773	Continuing	
Related RDT& E: Not applicable.									
		DING LIST -		1/1					

#### **CLASSIFICATION:**

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
·							Februa	ry 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AND	NAME		PROJECT NUMBE	R AND NAME		
RDT&E, N / BA-6	0604258N/Target	Systems Developm	nent		A-0610/Weapns Sy	stems T&E Develo	pment Procuremen	nt
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost		9.494	11.547	11.049	9.238	10.361	12.753	11.130
RDT&E Articles Qty		3	5	3	2	2	2	2

#### A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This project provides for the development and procurement of Aerial Targets used exclusively for test and evaluation of Naval Weapons Systems which closely replicate current and projected threats to fleet units in the Joint Strike and the Littoral Warfare environments. This replication must include characteristics related to size, performance envelope, and electromagnetic and infrared signatures. As threats change, changes must be made to keep the targets as threat representative as possible. This is done in response to changes in the requirements of the developers of Naval weapons.

#### **CLASSIFICATION:**

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			February 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	IAME
RDT&E, N / BA-6	0604258N/Target Systems Development	A0610/Weapons Systems T8	&E Development/Procurement
	·	<u> </u>	

#### (U) B. Accomplishments/Planned Program

	FY 02	FY 03	FY 04	FY 05
Continued Full Scale Aerial Target support		8.442	9.407	7.504
RDT&E Articles Quantity		3	5	3

The Full Scale Aerial Target is a supersonic, high altitude, remote-controlled aerial target. This target has full command and control capability through normal flight maneuvers. Continued program, engineering and logistics support for the Full Scale Aerial Target (FSAT), including Aviation Depot Level Repairables (AVDLR), procurement of kit material and conversion of three F-4 aircraft into FSAT targets. The Navy will begin joint procurement of QF-4 T&E assets with USAF in FY03 and beyond.

	FY 02	FY 03	FY 04	FY 05
Continued T&E TAAS Vector Scorer		1.007	2.140	3.145
RDT&E Articles Quantity				

Target Augmentation and Auxillary Systems items allows each target to be uniquely configured for specific mission profiles. TAAS configured targets are used for radar acquistion test, electronic countermeasures (jamming) evaluation, infrared measurement/test, radar cross section evaluation, decoy effectiveness, maneuver analysis, electronic warfare, warhead effectiveness and evaluation of fleet tactics, readiness and effectiveness. Continued T&E Target Augmentation and Auxillary Systems (TA/AS) Vector Scorer development/procurement/support.

	FY 02	FY 03	FY 04	FY 05
Continued VANDAL support		0.045		
RDT&E Articles Quantity				

The vandal target is a surface launched, expendable, ramjet powered missile converted to a Aerial Target which simulates anti-ship threat missiles. The target provides sea skimming and anti-radiation missile profiles. Continued VANDAL support.

R-1 SHOPPING LIST - Item No.

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Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, page 7 of 19)

### **CLASSIFICATION:**

EXHIBIT R-2a, RDT&E Project Justifica	ation			DATE:	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NU	MRER AND NAME	PROJECT NUMBER AND N	February 2004	
RDT&E, N / BA-6	0604258N/Target Syst	ems Development	A0610/weapons Systems 1	&E Development/Procurement	
U) B. Accomplishments/Planned Program					
	FY 02	FY 03	FY 04	FY 05	
Support of follow-on FSAT development				0.400	
RDT&E Articles Quantity					
	FY 02	FY 03	FY 04	FY 05	
RDT&E Articles Quantity					
RDT&E Articles Quantity					
	FY 02	FY 03	FY 04	FY 05	
RDT&E Articles Quantity					
NOTAL ATTICLES QUAITITY					
INDIGE Atticles Quality					
INDIGE Attitues Quantity					
NOTAL Anides Quantity					

R-1 SHOPPING LIST - Item No.

#### **CLASSIFICATION:**

EXHIBIT R-2a, RDT&E Project Justification			D	ATE:					
					38018		February 2004		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER A	AND NAME	PROJECT NUMBER AND NAME						
RDT&E, N / BA-6	0604258N/Target Systems Develop	pment		A0610/Weapons	Systems T&E	Development/	Procurement		
(U) C. PROGRAM CHANGE SUMMARY:									
(U) Funding:		FY 2003	FY 2004	FY 2005					
Previous President's Budget:		11.820	11.677	15.186					
Current BES/President's Budget		9.494	11.547	11.049					
Total Adjustments		-2.326	-0.130	-4.137					
Summary of Adjustments									
Congressional program reductions									
Congressional undistributed reductions	S		-0.130						
Congressional rescissions									
SBIR/STTR Transfer		-0.058							
Economic Assumptions		4.057		-0.020					
Reprogrammings Other Navy/OSD Adjustments		-1.257 -1.011							
Reprioritization		-1.011		-4.117					
Subtotal		-2.326	-0.130	-4.137					
(U) Schedule:									
Not applicable.									
(U) Technical:  Not applicable.									
(U) D. OTHER PROGRAM FUNDING SUMMARY:									
	<u>FY 2003</u>	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To <u>Complete</u>	Total <u>Cost</u>
228000 Aerial Target System	72.686	127.064	88.126	89.933	91.773 C	ontinuing			
228000 Aerial Target System	66.605	77.718		127.064	88.126	89.933	91.773 C	ontinuing	

#### CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AND	NAME		PROJECT NUMBE	R AND NAME		
RDT&E, N / BA-6	0604258N/Target \$	Systems Developm						
COST (\$ in Millions)		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost		1.109	0.855	0.968	0.990	1.190	1.214	1.239
RDT&E Articles Qty		1	1	1	1	1	1	1

#### A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This project develops seaborne targets systems and their related target augmentation systems in support of air-to-surface and surface-to-surface weapons test and evaluation and fleet training.

R-1 SHOPPING LIST - Item No.

#### CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justifica	tion			DATE: February 2004			
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMB	BER AND NAME	PROJECT NUMBER AND NAME				
DT&E, N / BA-6	0604258N/Target Systems De	evelopment	0612/Surface Targets Deve	lopment			
Accomplishments/Planned Program							
		FY 03	FY 04	FY 05			
Accomplishments/Effort/Subtotal Cost		0.642	0.192	0.202			
RDT&E Articles Quantity							
		FY 03	FY 04	FY 05			
Accomplishments/Effort/Subtotal Cost		FY 03 0.467	FY 04 0.663	FY 05 0.766			
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity		0.467	0.663	FY 05 0.766			
Procured prototype off-the-shelf boat for testirunitiated requirements study, prepare source shigh speed, missile-capable, patrol craft threat; interestive requirements study, prepare source shigh speed, missile-capable, patrol craft threat; interestive requirements for medium (4-Procure prototype Medium (130') missile-capable vessel.  -Conduct testing of small, high-speed, missile	selection criteria, prepare integration pategrate target systems, test and evaluation (OM) Coastal Patrol Craft threat.  able, patrol craft threat to address knocapable patrol craft threat, finalize rep	peed Maneuverable Seal plan, performance test plant ate for QST-35 replacem wn threat (Got) design. It	borne Target (HSMST). an, evaluation plan and select pent. Integration of on-board control ement recommendations to spo	o.766  rototype hull(s). Procure prototype s system to be completed in FY06 upor			
Procured prototype off-the-shelf boat for testirularity -Procured prototype off-the-shelf boat for testirularity -Initiated requirements study, prepare source shigh speed, missile-capable, patrol craft threat; interesting -Revise/update design package for medium (4-procure prototype Medium (130') missile-capatyessel.	selection criteria, prepare integration pategrate target systems, test and evaluation (OM) Coastal Patrol Craft threat.  able, patrol craft threat to address knocapable patrol craft threat, finalize rep	0.467  peed Maneuverable Seal plan, performance test plate for QST-35 replacem wn threat (Got) design. It ports and prepare procure I high-speed patrol craft to	o.663  borne Target (HSMST). an, evaluation plan and select pent.  Integration of on-board control ement recommendations to spothreat to enhance platform surv	o.766  rototype hull(s). Procure prototype signsystem to be completed in FY06 upor insors.			
RDT&E Articles Quantity  -Procured prototype off-the-shelf boat for testir-Initiated requirements study, prepare source shigh speed, missile-capable, patrol craft threat; int-Revise/update design package for medium (4-Procure prototype Medium (130') missile-capavessel.  -Conduct testing of small, high-speed, missile-Develop high-speed (>45 knots) tow platform	selection criteria, prepare integration pategrate target systems, test and evaluation (OM) Coastal Patrol Craft threat.  able, patrol craft threat to address knocapable patrol craft threat, finalize rep	peed Maneuverable Seal plan, performance test plant ate for QST-35 replacem wn threat (Got) design. It	borne Target (HSMST). an, evaluation plan and select pent. Integration of on-board control ement recommendations to spo	o.766  rototype hull(s). Procure prototype s system to be completed in FY06 upor			
Procured prototype off-the-shelf boat for testirunitiated requirements study, prepare source shigh speed, missile-capable, patrol craft threat; interestive requirements study, prepare source shigh speed, missile-capable, patrol craft threat; interestive requirements for medium (4-Procure prototype Medium (130') missile-capable vessel.  -Conduct testing of small, high-speed, missile	selection criteria, prepare integration pategrate target systems, test and evaluation (OM) Coastal Patrol Craft threat.  able, patrol craft threat to address knocapable patrol craft threat, finalize rep	0.467  peed Maneuverable Seal plan, performance test plate for QST-35 replacem wn threat (Got) design. It ports and prepare procure I high-speed patrol craft to	o.663  borne Target (HSMST). an, evaluation plan and select pent.  Integration of on-board control ement recommendations to spothreat to enhance platform surv	o.766  rototype hull(s). Procure prototype signsystem to be completed in FY06 upor insors.			

#### CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification					DATE:	
						February 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER A	ND NAME		PROJECT NUMBER A	ND NAME	
RDT&E, N / BA-6	0604258N/Target Systems Develop	0604258N/Target Systems Development			Development	
C. PROGRAM CHANGE SUMMARY:						
Funding:		FY 2003	FY 2004	FY2005		
Previous BES/President's Budget: (FY 04/05 Pres Controls)		1.112	0.864	0.968		
Current President's Budget: (FY05 Pres Controls)		1.109	0.855	0.968		
Total Adjustments		-0.003	-0.009	0.000		
Summary of Adjustments						
Misc. Adjustments		-0.003	-0.009			
Subtotal		-0.003	-0.009	0		
Schedule:						
Not applicable						
Technical:						
Not applicable						

#### CLASSIFICATION:

		BER AND NAM evelopment	1E	PROJECT NU 0612/Surface					
·	get Systems D	evelopment		0612/Surface	Tarnete Develo				
<u>FY 2003</u>				0604258N/Target Systems Development 0612/Surface Targets Dev					
FY 2003							T-	Total	
	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To <u>Complete</u>	Total <u>Cost</u>	
7.123	7.221	7.175	7.381	7.467	7.69	7.858		51.915	
	7.123	7.123 7.221	7.123 7.221 7.175	7.123 7.221 7.175 7.381	7.123 7.221 7.175 7.381 7.467	7.123 7.221 7.175 7.381 7.467 7.69	7.123 7.221 7.175 7.381 7.467 7.69 7.858	7.123 7.221 7.175 7.381 7.467 7.69 7.858	

#### CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:			
							FEBRU/	RY 2004		
APPROPRIATION/BUDGET ACTIVITY										
RDT&E, N / BA-6	0604258N TARGE	0604258N TARGET SYSTEMS DEVELOPMENT (TSD) 3045 Terrier/SSST								
COST (\$ in Millions)		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009		
Project Cost		0.028	2.875							
RDT&E Articles Qty										

#### A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This project funds the Terrier Supersonic Sea Skimming Target (SSST) development to provide both a low-fidelity and a moderate-fidelity Terrier Missile Target (TMT) for Fleet training against a supersonic sea skimming threat. Major efforts involve integrating a Flight Termination System (FTS), running 6-DOF simulations, recertifying rocket motors, modifying the launch control system, modifying the initialization code, and the build up and firing of rounds.

R-1 SHOPPING LIST - Item No.

#### **CLASSIFICATION:**

EXHIBIT R-2a, RDT&E Project Justificat	DATE:				
				FEBRUAR	Y 2004
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	IBER AND NAME	PROJECT NUMBER AND NA	AME	
DT&E, N / BA-6	0604258N TARGET SYSTE	MS DEVELOPMENT (TSD)	3045 Terrier/SSST		
Accomplishments/Planned Program					
Accomplishments/Flanned Frogram					
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost		0.028	2.875		
RDT&E Articles Quantity					
Efforts include: Integration of a Flight Terminat fidelity Terrier SSST configuration.	tion System (FTS), 6-DOF simulation	ons, rocket motors recertificat	ion, and modification of the lau	unch control system and the initia	lizer for the low-
Accomplishments/Effort/Subtotal Cost	FY 02	FY 03	FY 04	FY 05	
RDT&E Articles Quantity					
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost					
RDT&E Articles Quantity					
	R-1 SH(	OPPING LIST - Item No.	141		

**UNCLASSIFIED** 

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, page 15 of 19)

#### **CLASSIFICATION:**

EXHIBIT R-2a, RDT&E Project Justification	DATE:			
				FEBRUARY 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER	AND NAME	
RDT&E, N / BA-6	0604258N TARGET SYSTEMS DEVELOPMENT (TSD)			
C. PROGRAM CHANGE SUMMARY:				
Funding: Previous President's Budget (PB04 Controls):	2.914	2004 FY 2005 .908 0.000		
Current BES/President's Budget (PB05 Controls): Total Adjustments		.875 0.000 .033 0.000		
Summary of Adjustments Congressional program reductions FY03 Update Congressional rescissions	-2.808			
SBIR/STTR Transfer Economic Assumptions Reprogrammings	-0.070	.033		
BSO Adjustments Congressional increases	-0.008			
Subtotal: Schedule:	-2.886 -(	.033 0.000		
Not Applicable				
Technical:				
Not Applicable.				
	P 1 SHODDING LIST. Itom N	141		

#### CLASSIFICATION:

EXHIBIT	R-2a, RDT&E Proje	ct Justification			DATE:
∧DDD∩DDI	IATION/BUDGET ACTIV	/ITV	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NA	FEBRUARY 2004
RDT&E,		BA-6	0604258N TARGET SYSTEMS DEVELOPMENT (TSD)		AWIL
NDIGE,	14 /	DA-0	0004236N TARGET STSTEWS DEVELOPMENT (TSD)	3043 Terrier/3331	
D. C	OTHER PROGRAM FUN	NDING SUMMARY: Not App	licable		
E. A	CQUISITION STRATEGY	:			
	Not applicable				

#### CLASSIFICATION:

Embit R3 Cost Analysis (page 1)										DATE:					
ROTE   N   B-6	Exhibit R-3 Cost Analysis (p	age 1)													
Coat Categories		TIVITY						PROJECT NUMBER AND NAME							
Method   Activity & Activity & Activity & Activity & Activity & Cost   Cost   Cost   Cost   Date				0604258N TA		MS DEVELOPN									
Styles   Cost	Cost Categories		Performing												
Primary Hartware Development													Total	Target Value	
Ancillary Hardware Development   WR   NSWCHD     1002   0.075   1003         0.0075	Drive and Handware Development	& Type	Location		Cost	Cost	Date	Cosi	Date	Cost	Date	Complete		or Contract	
Component Development		14/5	NOW O WILD				10/00	0.075	40/00	+					
Ship Integration	•	WR	NSWC/IHD				10/02	0.075	10/03						
Ship Suitability										-					
Systems Engineering   WR										1					
Systems Engineering   Systems   Sy	•									-					
Systems Engineering   SyCPAF   Tucson, AZ	Systems Engineering	WR					10/02	0.204	10/03				0.204		
Training Development   Clonesses   Cloness															
Licenses		SS/CPAF	Tucson, AZ				10/02	2.100	10/03	1					
Tooling   Company   Compan										-					
Ratheon Missile Sytems   Tucson, AZ   10/02   0.175   10/03   10/00   0.000   0.000   0.175   0.000   0.000   0.175   0.000   0.000   0.175   0.000   0.000   0.175   0.000   0.000   0.175   0.000   0.000   0.175   0.000   0.000   0.175   0.000   0.000   0.000   0.554   0.000   0.000   0.554   0.000   0.000   0.554   0.000   0.000   0.554   0.000   0.000   0.554   0.000	Licenses														
Ratheon Missile Sytems   Tucson, AZ   10/02   0.175   10/03   0.000   0.000   0.175	Tooling									1			0.000		
Award Fees         Tucson, AZ         10/02         0.175         10/03         0.000         0.0175           Subtotal Product Development         0.000         0.000         0.000         0.000         0.000         0.000         2.554         0.000         0.000         2.554         0.000         0.000         2.554         0.000	GFE												0.000		
Subtotal Product Development         0.000         0.000         2.554         0.000         0.000         2.554         0.000         0.000         2.554         0.000         0.000         2.554         0.000 <td< td=""><td>Award Face</td><td></td><td></td><td></td><td></td><td></td><td>10/02</td><td>0.175</td><td>10/02</td><td></td><td></td><td></td><td>0.175</td><td></td></td<>	Award Face						10/02	0.175	10/02				0.175		
Development Support			Tucson, AZ		0.000	0.000	10/02		10/03	0.000		0.000			
Software Development         Image: Configuration Management         Image: Configuration Mana															
Training Development         Image: Configuration Management         WR         NSWC/PHD         10/02         0.100         10/03         0.000         0.100           Configuration Management         WR         VARIOUS         10/02         0.025         10/03         0.025         0.025         0.025         0.002         0.002         0.002         0.002         0.000	Development Support												0.000		
Training Development         Image: Configuration Management         WR         NSWC/PHD         10/02         0.100         10/03         0.000         0.100           Configuration Management         WR         VARIOUS         10/02         0.025         10/03         0.025         0.025         0.025         0.002         0.002         0.002         0.002         0.000	Software Development												0.000		
Integrated Logistics Support   WR   NSWC/PHD   10/02   0.100   10/03   0.100   0.100															
Configuration Management         WR         VARIOUS         10/02         0.025         10/03         0.025         0.000         0.00		WR	NSWC/PHD				10/02	0.100	10/03						
Technical Data															
GFE         0.000           Award Fees         0.000           Subtotal Support         0.000													0.000		
Award Fees         0.000         0.000         0.125         0.000         0.000         0.125         0.000         0.000         0.125         0.000         0.000         0.125         0.000															
Subtotal Support         0.000         0.000         0.125         0.000         0.000         0.125															
					0.000	0.000		0.125		0.000		0.000			
	Remarks:														

#### CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (pag	ge 2)										FEBRUARY 2	004	
APPROPRIATION/BUDGET ACTIV	ΊΤΥ		PROGRAM E	LEMENT			PROJECT NU	PROJECT NUMBER AND NAME					
RDT&E, N / BA-6			0604258N TA	RGET SYSTE	MS DEVELOP		3045 Terrier/SSST						
Cost Categories		Performing		Total PY s	FY 03	FY 03	FY 04	FY 04	FY 05	FY 05	Contto	Total	Target Value
	Method & Type	Activity & Location		Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost to Complete	Cost	Target Value of Contract
Developmental Test & Evaluation	WR	PMRF, Pacific Missile Rar	ago Egoility UI	+	COSt	10/02	0.075		0031	Date	Complete	0.075	
Developmental Test & Evaluation	WR	VAR	ige r acility, rii		0.028		0.075					0.053	
Operational Test & Evaluation	VVIX	VAIX			0.020	10/02	0.023	10/03				0.000	1
Live Fire Test & Evaluation												0.000	
Test Assets												0.000	
Tooling												0.000	
GFE												0.000	
Award Fees												0.000	
Subtotal T&E				0.000	0.028		0.100	)	0.00	00	0.000		
		1		Т	1	T	1	T	1				T
Contractor Engineering Support	VAR	VAR				10/02	0.050	10/03				0.050	,
Government Engineering Support												0.000	
Program Management Support	VAR	VAR				10/02	0.021	10/03				0.021	
Travel	PD	NAVSEA HQ				10/02	0.025	10/03				0.025	,
Labor (Research Personnel)												0.000	)
SBIR Assessment												0.000	
Subtotal Management				0.000	0.000		0.096	6	0.00	00	0.000	0.096	i
Remarks:													
Total Cost				0.000	0.028		2.875	5	0.00	00	0.000	2.903	0.000
Remarks:								•					
L				5 4 61165	DINO LICT		4.44						