

CLASSIFICATION:

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[illegible]

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: JDAM is a joint acquisition program combining Department of Navy and Air Force requirements to upgrade existing General Purpose Bomb capabilities in adverse weather and at medium to high altitude releases. The upgrade is accomplished by the addition of a guidance tail kit to existing General Purpose Bombs (2000 lb and 1000 lb inventory bombs). The Air Force is the executive service. The Navy's participation in JDAM involves joint development of JDAM components and support of Navy-Marine Corps unique requirements such as aircraft integration on the F/A-18. The program will incorporate commonality with the Joint Standoff Weapon where feasible.

The JDAM Joint Operational Requirements Document (JORD) was updated to include a requirement for a JDAM capability with the 500lb inventory bomb (MK82). The Air Force will continue to be the executive service for this effort. The Navy is participating in the joint development of the JDAM MK82 and support the Navy-Marine Corps unique requirements such as aircraft integration on the F/A-18, utilizing a smart rack for additional weapon carriage.

The Navy JDAM Product Improvement Program (PIP) will integrate precision capabilities with the JDAM weapon system and the F/A-18 ATFLIR for preplanned and reactive strike missions. The JDAM PIP effort includes the development of a seeker Precision Guidance Set (PGS) which will be integrated with the JDAM tailkit and the F/A-18 aircraft with the Hornet Autonomous Real-time Targeting (HART) upgrade, capitalizing on the ATFLIR capabilities for reactive targeting.

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EXHIBIT R-2a, RDT&E Project Justification							DATE: February 2003	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604618N; Joint Direct Attack Munition (JDAM)				PROJECT NUMBER AND NAME A2137/ Joint Direct Attack Munition (JDAM)			
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost	49.037	47.780	33.029	66.015	30.425	16.284	0.000	0.000
RDT&E Articles Qty	35	5	12	93				

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35 Guided Test Vehicles (GTVs) were procured in FY 2002 for MK82 testing. Test articles procured in FY 2003 - FY 2005 are Guided test Vehicles (GTVs) for the JDAM PIP/HART integration testing.

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B. Accomplishments/Planned Program																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;"></th> <th style="width: 15%;">FY 02</th> <th style="width: 15%;">FY 03</th> <th style="width: 15%;">FY 04</th> <th style="width: 15%;">FY 05</th> </tr> <tr> <td>Complete JDAM MK83 testing and integration</td> <td>2.779</td> <td></td> <td></td> <td></td> </tr> <tr> <td>RDT&E Articles Quantity</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p style="margin-top: 10px;">Completion of the end-to-end testing necessary to validate the JDAM MK83 performance within the Navy system, including operational testing on the F/A-18 C/D aircraft.</p>						FY 02	FY 03	FY 04	FY 05	Complete JDAM MK83 testing and integration	2.779				RDT&E Articles Quantity				
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JDAM Product Improvement Program (PIP)	20.844	28.888	33.029	66.015															
RDT&E Articles Quantity		5	12	93															

R-1 SHOPPING LIST - Item No.

125

UNCLASSIFIED

Exhibit R-2a, RDTEN Project Justification
(Exhibit R-2a, page 3 of 9)

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE: February 2003	
APPROPRIATION/BUDGET ACTIVITY RDTE, N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604618N; Joint Direct Attack Munition (JDAM)	PROJECT NUMBER AND NAME A2137/ Joint Direct Attack Munition (JDAM)		

C. PROGRAM CHANGE SUMMARY:

Funding:	FY 2002	FY 2003	FY 2004	FY 2005
Previous President's Budget:	55.767	48.861	35.964	33.804
Current President's Budget	49.037	47.780	33.029	66.015
Total Adjustments	-6.730	-1.081	-2.935	32.211
Summary of Adjustments				
Congressional program reductions				
Congressional undistributed reductions		-0.289		
Congressional rescissions	-0.119			
SBIR/STTR Transfer	-1.285			
Economic Assumptions	-0.140	-0.792	-0.845	-1.438
Reprogrammings	-5.186			
SPONSOR/FMB/NAVAIR Adjustments			-2.090	33.649
Congressional increases				
Subtotal	-6.730	-1.081	-2.935	32.211

Schedule:

The Previous President's Budget reflected the schedule and costs to integrate and test the PIP/HART on the F/A-18 E/F only. The current President's Budget adds PIP/HART DT F/A-18 C/D and PIP/HART FOTE F/A-18C/D to the schedule.

Technical:

R-1 SHOPPING LIST - Item No. 125

UNCLASSIFIED

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CLASSIFICATION:

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D. OTHER PROGRAM FUNDING SUMMARY:

<u>Line Item No. & Name</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>To Complete</u>	<u>Total Cost</u>
PAN,MC/B.A.-1 Ammunition - JDAM	301.780	275.188	277.347	264.933	136.380	136.366	126.517	126.394		1810.019
DERF - JDAM	162.500									

E. ACQUISITION STRATEGY:

The Joint Direct Attack Munition (JDAM) program acquisition strategy is derived from the 1994 Federal Acquisition Streamlining Act (FASA). The focus of the program is to reduce acquisition management costs by buying bomb modification kits as if they were commercial items, including obtaining waivers to regulations that affect the efficiency of the contracting process. The JDAM contracting officer has authority to approve individual deviations from any Federal Acquisition Regulation (FAR) and Defense Acquisition Regulation Supplement (DFARS) provision not required by Statute of Executive Order for the JDAM EMD contract. The contract management philosophy includes partnering with the contractor, long term relationships with vendors, negotiations based on prices instead of costs, credit for past performance, and allowing the contractor to determine how to produce the product with the government providing only what the product must do. Cost is an independent variable. JDAM kits have a lifetime (20 year) warranty, significantly reducing Operating and Support costs.

R-1 SHOPPING LIST - Item No. 125

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 1)								DATE: February 2003				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-5			0604618N; Joint Direct Attack Munition (JDAM)			A2137/ Joint Direct Attack Munition (JDAM)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development	SS/CPAF	Boeing, St. Louis, MO	10.489								10.489	10.489
Aircraft Integration	SS/CPAF	Boeing, St. Louis, MO	27.602	11.186	02/03	11.292	02/04	21.397	02/05	16.991	88.468	88.468
Award Fees	SS/CPAF	Boeing, St. Louis, MO	0.969								0.969	0.969
Test Assets	SS/CPAF	Boeing, St. Louis, MO	22.914	2.378	02/03	1.702	02/04	15.695	02/05		42.689	42.689
Systems Engineering	WX	NAWC-WD, China Lake, CA	59.840	10.230	11/02	3.811	11/03	9.483	11/04	7.125	90.489	
Subtotal Product Development			121.814	23.794		16.805		46.575		24.116	233.104	
Remarks:												
Development Support - Misc	Various	Various	5.312								5.312	
Software Development - OFP	WX	AWL/CL	25.558	17.870	12/02	7.939	12/03	9.799	12/04	12.597	73.763	
Software Development - Mission Planning	SS/CPAF	Raytheon, Tucson, AZ	8.477	0.677	12/02	1.335	12/03	1.323	12/04	0.294	12.106	12.106
Subtotal Support			39.347	18.547		9.274		11.122		12.891	91.181	
Remarks:												

UNCLASSIFIED

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Exhibit R-3 Cost Analysis (page 2)										DATE: February 2003		
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDTE, N / BA-5			0604618N; Joint Direct Attack Munition (JDAM)			A2137/ Joint Direct Attack Munition (JDAM)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WX	NAWC/CL	26.022	2.849	12/02	5.223	10/03	6.156	10/04	1.205	41.455	
Operational Test & Evaluation	PD	OPTEVFOR, China Lake, CA	3.714	0.616	12/02					5.320	9.650	
Developmental Test & Evaluation - M	Various	Various	5.056								5.056	
Subtotal T&E			34.792	3.465		5.223		6.156		6.525	56.161	
Remarks:												
Contractor Engineering Support	Various	Various	13.968	1.261	12/02	1.317	10/03	1.803	10/04	2.578	20.927	
Travel	PD	JDAM	1.730	0.185	10/02	0.110	10/03	0.110	10/04	0.220	2.355	
Program Management Support	Various	Various	6.348	0.528	03/03	0.300	03/04	0.249	03/05	0.379	7.804	
SBIR Assessment												
Subtotal Management			22.046	1.974		1.727		2.162		3.177	31.086	
Remarks:												
Total Cost			217.999	47.780		33.029		66.015		46.709	411.532	
Remarks:												

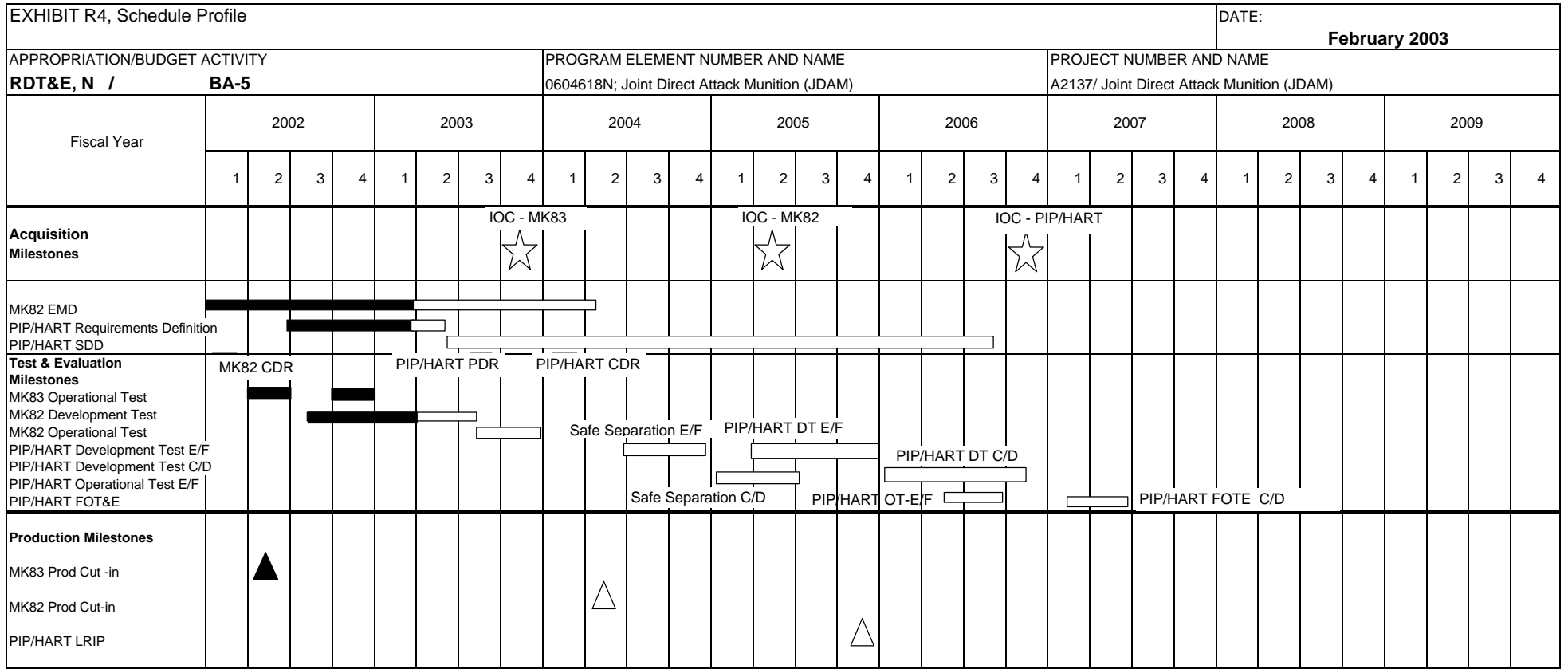
R-1 SHOPPING LIST - Item No. 125

UNCLASSIFIED

Exhibit R-3, Project Cost Analysis
(Exhibit R-3, page 7 of 9)

UNCLASSIFIED

CLASSIFICATION:



R-1 SHOPPING LIST - Item No. 125

* Not required for Budget Activities 1, 2, 3, and 6

UNCLASSIFIED

Exhibit R-4, Schedule Profile
(Exhibit R-4, page 8 of 9)

UNCLASSIFIED

CLASSIFICATION:

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R-1 SHOPPING LIST - Item No. 125

UNCLASSIFIED

Exhibit R-4a, Schedule Detail
(Exhibit R-4a, page 9 of 9)