

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE February 1999
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BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604602F Armament Ordnance Development
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COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	3,641	11,823	8,887	8,956	1,367	1,400	1,429	1,458	Continuing	Continuing
4696 Armament Standardization Program	1,040	1,157	1,184	1,206	1,234	1,264	1,288	1,312	Continuing	Continuing
3133 Bombs & Fuzes	2,473	10,536	7,568	7,618	0	0	0	0	Continuing	Continuing
5613 Containers	128	130	135	132	133	136	141	146	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) A. Mission Description

The Armament Ordnance Development program provides for initial and continuing development of munition equipment for support and operational use.

Armament Standardization/Control/Munitions Material Handling Equipment (MMHE): This continuing project develops and improves the standardization and commonality of munitions handling and armament equipment to preclude duplication. This project's efforts are limited to the study, design, and development, of MMHE and armament control systems. Procurement will be performed and funded by the applicable weapons system project.

Bombs and Fuzes: This project develops and improves conventional bombs and fuzes. It currently includes the development of the Joint Programmable Fuze (JPF) and the Hard Target Smart Fuze (HTSF). Miniaturized Munitions Capability (MMC) begins the Concept Exploration phase in this project. Initial MMC funding will be used to explore concepts to meet CAF MNS 304-97.

Containers: This project funds the operation of the tri-service Container Design Retrieval System (CDRS). This maintains a container database to preclude proliferation and duplication of munitions containers. It also supports organic container design, prototyping, and testing capabilities.

(U) B. Budget Activity Justification:

This program is in budget activity 5 - Engineering and Manufacturing Development because the projects support the EMD phase of several munitions related items and functions.

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE February 1999
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BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604602F Armament Ordnance Development
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(U) C. Program Change Summary (\$ in Thousands)

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>
(U) Previous President's Budget (FY 1999 PB)	1,511	12,037	1,342	1,363	Continuing
(U) Appropriated Value	1,597	12,037			
(U) Adjustments to Appropriated Value					
a. Congressional/General Reductions	-56	-214			
b. SBIR	-30				
c. Omnibus or Other Above Threshold Reprogram	-10				
d. Below Threshold Reprogramming	2,140				
(U) Adjustments to Budget Years Since FY 1999 PB			7,545	7,593	
(U) Current Budget Submit/FY 2000 PB	3,641	11,823	8,887	8,956	Continuing

(U) Significant Program Changes:

FY98: \$1,040 has been reprogrammed from PE 27590F BPAC 2784 to correctly align the MMHE project (PE 64602F BPAC 4696) in the same PE \$1,100 Below Threshold Reprogramming (BTR) to begin Hard Target Smart Fuze (HTSF) EMD.

FY99: \$288 identified as a source for SBIR.

FY00 and FY01: Funding reprogrammed from HTSF Procurement in War Readiness Materials (WRM), PE 28030F, for HTSF EMD, extended due to Motorola leaving the fuze industry.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604602F Armament Ordnance Development				PROJECT 4696		
<i>COST (\$ In Thousands)</i>	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
4696 Armament Standardization Program	1,040	1,157	1,184	1,206	1,234	1,264	1,288	1,312	Continuing	Continuing
<p>(U) A. <u>Mission Description</u> <u>Armament Standardization/Control/Munitions Material Handling Equipment (MMHE)</u>: This continuing project develops and improves the standardization and commonality of improved munitions handling and armament equipment to preclude duplication and proliferation. This project's efforts are limited to the study, design, and development, of MMHE and armament control systems. Procurement will be performed and funded by the applicable weapons system project.</p> <p>(U) <u>FY 1998 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$605 Designed, prototyped, and tested various MMHE projects, i.e., B-52 Yoke Handling Fixture, B-52 Pylon Transport Adapter, Alternate Mission Equipment (AME) Maintenance Stand, MHU-114 Stacking Fixture, Munitions Assembly Tools, All-Up-Round Container (AURC) Lift Adapter; complete evaluation of Ram Assembly, Rocket Module, B-2/B-52 Rotary Launcher Adapter, Munitions Assembly Conveyor (MAC) Containers, F-15 Pylon Storage Stand, International Storage Organization (ISO) Container Munitions Packaging, and Bottom Lift Forklift Projects - (U) \$175 Continued design/manufacture of Aluminum Rail Set and Next Generation Munitions Handler. - (U) \$100 Continued design, prototype, and test B-1B Rotary Launcher Adapter. - (U) \$160 Designed, prototyped, and tested MHU-83 Remote Control Upgrade and MJ-40 Hydraulics Upgrades. - (U) \$1,040 Total <p>(U) <u>FY 1999 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$604 Design, prototype, and test various MMHE projects, i.e. T-2 Pallet Lock Device, Tire Liner Inserts, Flare Assembly Fixture, Flightline Service Cart, M61 Gun Firing Stand, Universal Ammunition Loading System (UALS) Forklift Adapter, and One Stop Loading Adapter (OSLA) Upgrade; complete evaluation of B-52 Yoke Handling Fixture, B-52 Pylon Transport Adapter, AME Maintenance Stand, MHU-83 Remote Control Upgrade, MJ-40 Hydraulics Upgrade, and AURC Lift Adapter. - (U) \$175 Complete design and testing of Aluminum Rail Set and evaluation of Next Generation Munitions Handler. - (U) \$150 Initiate design of ISO Munitions Pallet and evaluation of Next Generation Munitions Trailer design. - (U) \$100 Complete evaluation of B-1B Rotary Launcher Adapter. - (U) \$100 Initiate design of MHU-110 Trailer Upgrade. - (U) \$28 Identified as a source for SBIR - (U) \$1,157 Total 										
Project 4696			Page 3 of 16 Pages				Exhibit R-2A (PE 0604602F)			

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE February 1999
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
5 - Engineering and Manufacturing Development	0604602F Armament Ordnance Development	4696
<p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$509 Design, prototype, and test various MMHE projects, i.e., T-2 Pallet Lock Device, Flightline Service Cart, F-22 Pylon Load Adapter/AME Stand, and OSLA Upgrade; complete evaluation of Flare Assembly Fixture, Tire Liner Inserts, UALS Forklift Adapter, and M61 Gun Firing Stand. - (U) \$400 Initiate EMD for Next Generation Munitions Handler. - (U) \$125 Complete design and prototype of ISO Munitions Pallet and complete redesign of Next Generation Munitions Trailer. - (U) \$50 Complete design and prototype and initiate evaluation of MHU-110 Trailer Upgrade. - (U) \$100 Evaluate Mobile Bomb Renovation Plant. - (U) \$1,184 Total <p>(U) <u>FY 2001 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$ 531 Design, prototype, and test various MMHE projects as determined by HQ ACC/LGW or Program Offices; complete evaluation of T-2 Pallet Lock Device, Flightline Service Cart, F-22 Pylon Load Adapter/AME Stand, OSLA Upgrade, and ISO Munitions Pallet. - (U) \$ 400 Continue EMD for Next Generation Munitions Handler. - (U) \$ 150 Complete prototype and evaluation of Next Generation Munitions Trailer. - (U) \$ 25 Continue evaluation of MHU-110 Trailer Upgrade. - (U) \$ 100 Continue evaluation of Mobile Bomb Renovation Plant. - (U) \$1,206 Total <p>(U) B. <u>Project Change Summary - Description of Significant Changes:</u> FY98: \$1,040,000 has been reprogrammed from PE 27590F BPAC 2784 to correctly align the MMHE project (PE 64602F BPAC 4696) in the same PE FY99: \$28,000 identified as a source for SBIR</p> <p>(U) C. <u>Other Program Funding Summary (\$ in Thousands):</u> Not Applicable.</p> <p>(U) D. <u>Acquisition Strategy:</u> MMHE is a continuing effort program with activities contracted through Military Interdepartmental Purchase Requests (MIPR). Procurement will be performed and funded by the applicable equipment project.</p> <p>(U) E. <u>Schedule Profile:</u></p>		
Project 4696	Page 4 of 16 Pages	Exhibit R-2A (PE 0604602F)

		DATE February 1999
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604602F Armament Ordnance Development	
<p>Not Applicable. MMHE does not execute in accordance with standard acquisition milestones. Project activities are performed on a continuing basis.</p>		

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)		DATE February 1999
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BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604602F Armament Ordnance Development	PROJECT 4696
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(U) A. Project Cost Breakdown (\$ in Thousands)

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
(U) Various MMHE Projects	605	604	509	531
(U) Aluminum Rail Set	75	75	00	00
(U) Next Generation Munitions Handler	100	100	400	400
(U) Next Generation Munitions Trailer	0	50	75	150
(U) ISO Munitions Pallet	0	100	50	0
(U) B-1B Rotary Launcher Adapter	100	100	0	0
(U) MHU-110 Trailer Upgrade	0	100	50	25
(U) MHU-83 Upgrade	120	0	0	0
(U) MJ-40 Upgrade	40	0	0	0
(U) Mobile Bomb Renovation Plant	0	0	100	100
(U) Identified as a source for SBIR	0	28	0	0
(U) Total	1,040	1,157	1,184	1,206

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE	
BUDGET ACTIVITY										February 1999	
5 - Engineering and Manufacturing Development					PE NUMBER AND TITLE					PROJECT	
					0604602F Armament Ordnance Development					4696	
(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)											
Performing Organizations:											
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
Identified as a source for SBIR							28				28
<u>Product Development Organizations</u>											
Dept. of Energy/ NASA	MIPR	Oct 98	N/A	N/A	400	160	372	379	377	Cont.	Cont.
<u>Support and Management Organizations</u>											
TEAS/TAMS	MIPR	Oct 98	N/A	N/A	400	535	426	440	440	Cont.	Cont.
AFDTC/FM	MIPR	Oct 98	N/A	N/A	120	120	160	160	170	Cont.	Cont.
64SSUPS/LGS	MIPR	Cont.	N/A	N/A	50	50	30	35	35	Cont.	Cont.
WL/MN	MIPR	Cont.	N/A	N/A	40	40	29	50	64	Cont.	Cont.
<u>Test and Evaluation Organizations</u>											
46 th Test Wing	MIPR	Cont.	N/A	N/A	115	135	112	120	120	Cont.	Cont.
Government Furnished Property:											
Not Applicable.											
Identified as a source for SBIR					0	0	28	0	0	0	28
Subtotal Product Development					400	160	372	379	377	Cont.	Cont.
Subtotal Support and Management					610	745	645	685	709	Cont.	Cont.
Subtotal Test and Evaluation					115	135	112	120	120	Cont.	Cont.
Total Project					1,125	1,040	1,157	1,184	1,206	Cont.	Cont.
Project 4696					Page 6 of 16 Pages			Exhibit R-3 (PE 0604602F)			

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604602F Armament Ordnance Development				PROJECT 3133		
<i>COST (\$ In Thousands)</i>	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
3133 Bombs & Fuzes	2,473	10,536	7,568	7,618	0	0	0	0	Continuing	Continuing
<p>(U) A. <u>Mission Description</u> <u>Bombs and Fuzes:</u> This project develops and improves conventional bombs and fuzes including the development of the Joint Programmable Fuze (JPF) and the Hard Target Smart Fuze (HTSF). The JPF is a multi-function time delay fuze which will be used with the Joint Direct Attack Munition (JDAM). The HTSF is a layer counting and void sensing fuze that will be used with air-to-ground penetrator weapons. Miniaturized Munitions Capability (MMC) begins the Concept Exploration phase in this project.</p> <p>(U) <u>FY 1998 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$201 Completed JPF IOT&E Test - (U) \$922 Completed JPF/JDAM Integration Flight Test - (U) \$250 Completed JPF Functional Configuration Audit, Production Readiness Review, and Physical Configuration Audit - (U) \$1,100 Initiated HTSF Detailed Design - (U) \$2,473 Total <p>(U) <u>FY 1999 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$685 Conduct and complete HTSF System Requirements Review (SRR) - (U) \$734 Conduct and complete HTSF Preliminary Design Review (PDR) - (U) \$3,283 Complete HTSF Detailed Design - (U) \$1,175 Initiate HTSF contractor test and evaluation (CT&E) - (U) \$2,961 Conduct and complete MMC AOA Modeling and Analysis - (U) \$1,000 Conduct and complete MMC Concept Exploration Contracts - (U) \$442 Program Office Support - (U) \$256 Identified as a source for SBIR - (U) \$10,536 Total <p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$ 4,531 Complete HTSF contractor test and evaluation (CT&E) - (U) \$ 3,037 Initiate HTSF developmental and operational test and evaluation 										
Project 3133			Page 7 of 16 Pages				Exhibit R-2A (PE 0604602F)			

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 1999			
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development					PE NUMBER AND TITLE 0604602F Armament Ordnance Development			PROJECT 3133			
- (U) \$ 7,568 Total (U) <u>FY 2001 (\$ in Thousands):</u> - (U) \$1,786 Conduct and complete Hard Target Smart Fuze (HTSF) Functional Configuration Audit - (U) \$5,376 Complete HTSF developmental and operational test and evaluation (DT&E/IOT&E) - (U) \$ 456 Conduct and complete HTSF initial operational testing and evaluation (IOT&E) - (U) \$7,618 Total											
(U) B. <u>Project Change Summary - Description of Significant Changes:</u>											
FY98: \$1,100 Below threshold Reprogramming (BTR) to begin Hard Target Smart Fuze (HTSF) EMD FY99: \$256 identified as a source for SBIR HTSF Engineering and Manufacturing Development (EMD) extended through FY01 due to competition for full EMD program, as a result of Motorola no longer designing and producing fuzes.											
(U) C. <u>Other Program Funding Summary (\$ in Thousands)</u>											
		<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To <u>Compl</u>	Total <u>Cost</u>
(U) Procurement of Ammunition, Air Force, P-1 Line Item; Fuzes											
(U) Joint Programmable Fuze (JPF)		5,739	11,568	9,064	9,430	10,516	26,232	23,398	24,012	29,878	153,962
(U) Hard Target Smart Fuze (HTSF) funded by Defense Threat Reduction Agency (DTRA)											
(U) D. <u>Acquisition Strategy:</u>											
The Hard Target Smart Fuze (HTSF) Acquisition Strategy was full and open competition for the EMD program with production options to meet performance specification requirements for current and future Hard Target munitions. The HTSF will be compatible with GBU-24, GBU-27, GBU-28, GBU-15, AGM-130, JDAM, JASSM, and future hard target munitions while providing increased reliability and emphasis on life cycle management. The HTSF program was augmented with Defense Threat Reduction Agency (DTRA) funding and requirements for additional HTSF applications and follow-on fuze procurement. The Joint Programmable Fuze began Low Rate Initial Production in FY97.											
Project 3133		Page 8 of 16 Pages				Exhibit R-2A (PE 0604602F)					

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)	DATE February 1999
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BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604602F Armament Ordnance Development	PROJECT 3133
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(U) **E. Schedule Profile**

	<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
(U) <u>Joint Programmable Fuze (JPF)</u>																
(U) Complete IOT&E				*												
(U) <u>Hard Target Smart Fuze (HTSF)</u>																
(U) Start HTSF Detailed Design				*												
(U) System Requirement Review (SRR)					*											
(U) Preliminary Design Review (PDR)						X										
(U) Start HTSF CT&E						X										
(U) Complete HTSF Detailed Design							X									
(U) Complete CT&E										X						
(U) Start DT&E/IOT&E											X					
(U) Complete FCA												X				
(U) Complete Combined DT&E/IOT&E													X			
(U) Start/Complete Dedicated IOT&E															X	
(U) <u>Miniaturized Munitions Capability</u>																
(U) Start Concept Exploration/AoA					*											
(U) Complete Concept Exploration/Analysis of Alternatives											X					

* = Event occurred
X = Event planned

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 1999	
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development					PE NUMBER AND TITLE 0604602F Armament Ordnance Development					PROJECT 3133	
(U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
Performing Organizations:											
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
Identified as a source for SBIR							256				256
<u>Product Development Organizations</u>											
Motorola (JPF)	SS/CPAF	Jul 93	21,357	21,357	20,526	831	0	0	0	0	21,357
Alliant (HTSF)	C/CPIF	Aug 98	16,010	16,010	0	1,100	4,474	4,580	1,506	Cont.	Cont.
Boeing (MMC)	FFP	Jan 99	250	250	0	0	250	0	0	0	250
Lockheed (MMC)	FFP	Jan 99	250	250	0	0	250	0	0	0	250
Raytheon (MMC)	FFP	Jan 99	250	250	0	0	250	0	0	0	250
Northrup (MMC)	FFP	Jan 99	250	250	0	0	250	0	0	0	250
<u>Support and Management Organizations</u>											
HTSF TEAS/ TEAMS	Various	Various	N/A	N/A	559	0	405	480	500	Cont.	Cont.
JPF TEAS/ TEAMS	Various	Various	N/A	N/A	400	112	0	0	0	0	512
MMC TEAS/ TEAMS	Various	Various	N/A	N/A	0	0	424	0	0	0	424
ASC/WMG (JPF, HTSF)	Various	Various	N/A	N/A	847	327	688	1,071	1,636	Cont.	Cont.
ASC/XRW & AAC/ENMS (MMC)	Various	Various	N/A	N/A	0	0	1,600	0	0	0	1,600
Other MMC	Various	Various	N/A	N/A	0	0	1,379	0	0	0	1179
Project 3133					Page 11 of 16 Pages				Exhibit R-3 (PE 0604602F)		

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 1999	
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development					PE NUMBER AND TITLE 0604602F Armament Ordnance Development					PROJECT 3133	
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
<u>Test and Evaluation Organizations</u>											
46th Test JPF	Various	Mar 94	N/A	N/A	3,212	103	0	0	0	0	3,315
46th Test HTSF	Various	Mar 94	N/A	N/A	0	0	310	1,437	3,976	Cont.	Cont.
(U) B. Budget Acquisition History and Planning Information Continued (\$ in Thousands)											
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
Government Furnished Property: Not Applicable											
Identified as a source for SBIR					0	0	256	0	0	0	256
Subtotal Product Development					20,526	1,931	5,474	4,580	1,506	Cont.	Cont.
Subtotal Support and Management					1,806	439	4,496	1,551	2,136	Cont.	Cont.
Subtotal Test and Evaluation					3,212	103	310	1,437	3,976	Cont.	Cont.
Total Project					25,544	2,473	10,536	7,568	7,618	Cont.	Cont.

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604602F Armament Ordnance Development				PROJECT 5613		
COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
5613 Containers	128	130	135	132	133	136	141	146	Continuing	Continuing
<p>(U) A. <u>Mission Description</u></p> <p><u>Containers:</u> This project funds the operation of the tri-service Container Design Retrieval System (CDRS). This system includes the maintenance of a container database to preclude proliferation and duplication of munitions containers. It also supports organic container design, prototyping, and testing capabilities. This project's efforts are limited to study, design, and development of container systems. The project also provides world wide acquisition transportation support and participates in Tri-Service groups and organizations for packaging, handling, logistic and transportation. Any procurement will be performed and funded by the applicable weapons system project.</p> <p>(U) <u>FY 1998 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$5 Initiated/continued/completed design/development of various CDRS projects, including a modular mobility container system, and special projects. - (U) \$5 Provided container design expertise, management, and technical support to programs such as AIM-9X, JASSM, AMRAAM, AGM-142, JDAM, AGM-130, and WCMD. - (U) \$118 Managed and operated the CDRS data base and support service. - (U) \$128 Total <p>(U) <u>FY 1999 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$5 Initiate/continue/complete design/development of various CDRS projects, including a modular mobility container system, and special projects. - (U) \$5 Provide container design expertise, management, and technical support to programs such as AIM-9X, JASSM, AMRAAM, AGM-142, JDAM, AGM-130, and WCMD. - (U) \$116 Manage and operate the CDRS data base and support service. - (U) \$4 Identified as a source for SBIR - (U) \$130 Total <p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$5 Initiate/continue/complete design/development of various CDRS projects, including a modular mobility container system, and special projects. - (U) \$5 Provide container design expertise, management, and technical support to programs such as AIM-9X, JASSM, AMRAAM, AGM-142, JDAM, AGM-130, and WCMD. - (U) \$125 Manage and operate the CDRS data base and support service. - (U) \$135 Total 										
Project 5613			Page 13 of 16 Pages				Exhibit R-2A (PE 0604602F)			

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
5 - Engineering and Manufacturing Development	0604602F Armament Ordnance Development	February 1999 5613
<p>(U) <u>FY 2001 (\$ in Thousands):</u></p> <ul style="list-style-type: none">- (U) \$5 Initiate/continue/complete design/development of various CDRS projects, including a modular mobility container system, and special projects.- (U) \$5 Provide container design expertise, management, and technical support to programs such as AIM-9X, JASSM, AMRAAM, AGM-142, JDAM, AGM-130, and WCMD.- (U) \$122 Manage and operate the CDRS data base and support service.- (U) \$132 Total <p>(U) B. <u>Project Change Summary - Description of Significant Changes:</u> FY99: \$4 identified as a source for SBIR</p> <p>(U) C. <u>Other Program Funding Summary (\$ in Thousands):</u> Not Applicable</p> <p>(U) D. <u>Acquisition Strategy:</u> Not applicable</p> <p>(U) E. <u>Schedule Profile:</u> Not Applicable. The Containers project does not execute in accordance with standard acquisition milestones. Design and support efforts are performed on a continuing basis.</p>		
Project 5613	Page 14 of 16 Pages	Exhibit R-2A (PE 0604602F)

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE	
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT	
5 - Engineering and Manufacturing Development					0604602F Armament Ordnance Development					5613	
(U)) A. <u>Project Cost Breakdown (\$ in Thousands)</u>											
					<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>			
(U)	Travel/Transportation				70	66	72	70			
(U)	Supplies/Equipment				48	50	53	52			
(U)	Mission Support				10	10	10	10			
(U)	Identified as a source for SBIR				0	4	0	0			
(U)	Total				128	130	135	132			
(U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
Performing Organizations:											
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
Identified as a source for SBIR							4				4
<u>Product Development Organizations</u>											
Not Applicable											
<u>Support and Management Organizations</u>											
Sverdrup (TEAS)	Various	Oct 93	N/A	N/A	1,455	0	0	0	0	Cont.	Cont.
ASC/YHS	Various	Various	N/A	N/A	568	10	10	10	10	Cont.	Cont.
Other	Various	Various	N/A	N/A	451	118	116	125	122	Cont.	Cont.
<u>Test and Evaluation Organizations</u>											
46th Test Wing	Various	Various	N/A	N/A	190	0	0	0	0	Cont.	Cont.
Project 5613					Page 15 of 16 Pages			Exhibit R-3 (PE 0604602F)			

