

STATEMENT OF WORK (SOW) FOR THE  
REBUILD OF THE  
LAUNCHER ASSAULT ROCKET 83MM, (SMAW) MK153 Mod 0  
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1.0 Scope: This Statement of Work (SOW) establishes and sets forth tasks and identifies the work efforts that shall be performed by the Contractor (for purposes of this SOW, Contractor is defined as the commercial or government entity performing the REBUILD) in the Rebuild effort of the MK153 Mod 0. This document contains requirements to rebuild the MK153 Mod 0 to Condition Code "A." Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction, including materiel with more than six months shelf-life remaining."

1.1 Background. Rebuild is defined as "That maintenance technique to rebuild an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through a maintenance technique or complete disassembly of the item, inspection of all parts or components, repairs or replacement of worn or unserviceable elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the items."

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

MIL-STD-2073-1C	DOD Standard Practice for Military Packaging
MIL-STD-129	DOD Standard Practice for Military Marking

Military Standards (For Guidance Only)

MIL-STD-973	Configuration Management
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2.2 Other Government Documents and Publications. The issues of those documents cited below shall be used.

DOD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Instructions Requisitioning of Contractor Furnished Materiel from The Federal Supply System

TM 08673A-25&P/2A	Maintenance Instructions Organizational, Intermediate and Depot with Repair Parts List, Launcher Assault Rocket 83mm MK153, Mod 0
MI 08673A-25/2A	Spotting Rifle Bracket Upgrade Launcher Assault Rocket 83mm MK153, Mod 0
MI 08673A-25/3	Firing Mechanism Upgrade Launcher Assault Rocket 83mm MK153, Mod 0
MI 08673A-34/4	Modification of Optical Sight Mount, Launcher Assault Rocket 83mm MK153, Mod 0

### 2.3 Industry Standards.

ANSI/ISO/ASQC Q9003-1994	Quality Systems Model for Quality Assurance in Final Inspection and Test
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Copies of Military Specifications and Standards are available from the DOD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697-2179 or DSN 442-2179, or <http://www.dodssp.daps.mil>. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Weapon System Manager: Life Cycle Management Center, Attn: Weapon System Manager (Code 833-4), 814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0303, commercial telephone number (912) 639-6694 or DSN 567-6594. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 851-3, 814 Radford Blvd., Suite 20320, Albany, Georgia 31704-0303, commercial telephone number (912) 639-6410 or DSN 567-6410.

### 3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall:

- a. Provide materials, labor, equipment, facilities and missing/repair parts, necessary to *inspect, diagnose, restore, and test and calibrate the MK153 Mod 0. Upon completion of rebuild* the subject item shall be Condition Code "A".
- b. Conduct in-process and final on-site testing for witness by a Marine Corps Logistics Bases (MCLB), Albany, representative.

c. The following publications will be used as a guide in the rebuild process:

TM 08673A-25&P/2A	Maintenance Instructions Organizational, Intermediate and Depot with Repair Parts List, Launcher Assault Rocket 83mm MK153, Mod 0
MI 08673A-25/2A	Spotting Rifle Bracket Upgrade Launcher Assault Rocket 83mm MK153, Mod 0
MI 08673A-25/3	Firing Mechanism Upgrade Launcher Assault Rocket 83mm MK153, Mod 0
MI 08673A-34/4	Modification of Optical Sight Mount, Launcher Assault Rocket 83mm MK153, Mod 0

### 3.2 Rebuild.

#### a. Hardware

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, mandatory replacement items, safety, and one-time use items, etc. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used unless specifically prohibited.

#### 3.2.1 Inspection, Testing and Acceptance

a. Inspection, Testing and Acceptance of the MK153 Mod 0 shall be conducted in accordance with TM 08673A-25&P/2A.

b. The Contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are notified prior to completion the final acceptance. Acceptance tests shall be held at NSWC Crane, Indiana. MCLB (Code 833-4), Albany, Georgia, representatives shall be given a minimum of two weeks notice prior to commencement of acceptance testing.

c. The Contractor shall be responsible for correcting any deficiencies identified during inspection/testing. MCLB (Code 833-4), Albany, Georgia, representatives may require the Contractor to repeat tests or portions thereof, if the original tests fail to demonstrate compliance with this SOW.

d. Acceptance testing on all MK153 Mod 0's repaired under the provisions of this SOW shall be accomplished in accordance with TM 08673A-25&P/2A.

### 3.2.2 Packaging, Handling, Storage, and Transportation (PHS&T).

a. The contractor shall be responsible for the preservation and packaging of items being repaired under the terms of this statement of work. Items scheduled for long term storage or shipment to overseas destinations shall be to the level A requirements of MIL-STD-2073-1C, Appendix J, Table J.Ia., Specialized Preservation code "DB". Items scheduled for immediate use, domestic shipment or short term storage shall be to level B requirements.

b. Marking shall be in accordance with MIL-STD-129. Additional marking for concealed identification of sensitive or pilferable items shall be observed.

c. The Marine Corps will provide the contractor with the shipping address(es) for delivery of the rebuilt equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the contractor.

3.3 Configuration Management. The baseline configuration for the MK153 Mod 0 has been established with engineering drawing 82A5052A0000 and in TM 08673A-25&P/2A. No deviation from the approved baseline will be allowed due to safety factors except through the Engineering Change Proposal (ECP) process where changes are required. Any proposed permanent departures to the configuration baseline affecting fit, form or function, shall require and Engineering Change Proposal using MIL-STD-973, (paragraph 5.4.2 and Appendix D) as a guide.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). GFE is government owned equipment authorized by contract for use by a commercial/Government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements, the Management Control Activity (MCA/827-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractor's possession. The MCA will forward a GFE Accountability agreement to the Contractor Facility for signature to establish a chain of custody and property responsibilities for Marine Corps assets. The Contractor shall report receipt of all GFM and report consumption of GFM to the MCA.

3.5 Contractor Furnished Materiel (CFM) The Marine Corps has adopted the Navy's procedures regarding CFM (NAVICPINST 4491.21A). In the event that CFM is required for repair parts, the contractor shall requisition repair parts through the DOD Supply System. DOD 4000.25-1-M (MILSTRIP), Chapter 11 authorizes contractors to requisition through the DOD Supply System.

3.6 Quality Assurance Provisions. The Contractor shall provide and maintain a Quality System that, as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9003-1994, Quality System Model for Quality Assurance in Final Inspection and Test.

3.7 Acceptance. The performance of the Contractor and the quality of work delivered, including all equipment furnished and documentation written or compiled, shall be subject to in-process review and inspection during performance. Inspection may be accomplished in-plant or at any work site or location, and Marine Corps representatives shall be permitted to observe the work or to conduct an inspection. Final inspection and acceptance testing on the end items shall be conducted at the NSWC, Crane, IN. Final acceptance shall be conducted on 10 percent of items to verify that the units meet all requirements.

3.8 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB (Code 833-4), Albany, representative. The Contractor shall, at no additional cost to MCLB, Albany, Georgia, correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedures is demonstrated.

#### 4.0 REPORTS

4.1 Monthly Progress Report. The Contractor Facility shall provide one copy of the Monthly Progress Reports to: Commander, Marine Corps Logistics Base ATTN: Code 833-4, 814 Radford Blvd., Albany, GA 31704-1128, summarizing the progress and status. The report shall be due the tenth day of each month for the previous month in the format contained in the report instructions contained in Appendix A and the example data contained in Appendix B to this SOW.

4.1.a Cover Sheet. The report provided will contain the contractor's name, address and phone number, nomenclature of the supported Weapon System, date of the report, covered period of the report and the title of the report. Each page of the report shall be sequentially numbered (i.e., 1 of 5) and will reflect the title of the report, the date the report was prepared and the period covered.

4.1.b Footnotes. Using footnotes per the example in Appendix B, show the results, positive or negative, obtained related to previously identified problem areas, with conclusions and recommendations.

4.1.c Contractors Organization. Report any significant changes to the contractor's organization or method of operation that may impact cost, production or scheduling to Code 833-4.

4.1.d Technical and Scheduling Elements. Report problem areas affecting technical or scheduling elements, with background and recommendations for solutions within and beyond the scope of the contract.

4.1.e Cost Elements. Report problem areas affecting cost elements, with background and any recommendations for solutions within and beyond the scope of the contract within two working days.

4.1.f Trips. Report any trips and significant results in support of the equipment covered by this SOW.

4.1.g Telephone Calls. Record all significant telephone calls and any commitments made by telephone in support of the equipment covered by this SOW.

4.1.h Engineering Change Proposal (ECP) Status. Report a summary of ECP(s) status including identification of proposed ECPs and implemented ECPs.

4.1.i Cost of Engineering Change Proposals . Report all costs associated with trips, ECP's modifications and other related activities not previously included in the contract and/or repair price as Other Cost (OC) which must be explained in reasonable detail.

4.1.j Planned Activities. Report plans for activities during the next reporting period.

4.1.k Report Preparation. Include in the report the name and telephone number of the person who prepared the report.

4.1.l Appendixes. Appendixes for any necessary tables, references, photographs, illustrations and charts will be included on the first report and any changes/amendments/new requirements as occurs.

COLUMN HEADINGS FOR EXPLANATION ONLY															
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	<b>ASSET DATABASE</b>														
2	AssetID	ItemID	NSN_1	NSN_2	SerialNumber	CCIn	CCOut	DateAcquired	DateFinished	ReceiptDate	FedLogSUP	N/A	N/A	N/A	N/A
3	Sys #	Text	Text	Text	Text	Text	Text	Short Date	Short Date	Short Date	Currency				
4	N/A	3	16	16	50	3	1	1	1	(mm/dd/yy)	\$0.00				
5	<b>SMAW Assault Rocket Launcher Depot Level Maintenance MONTHLY REPORT FORMAT</b>														
6	LineNo	ID	NSN	NSN	SerNo	PEI/SDR	CCIn	CCOut	Date In	Date Out	ReceiptDate	SUP	Lbr Cost	Mat Cost	Total Cost
7	Notes:														
8	1. The following software application may be used as desired; however, reports are required to be submitted as an electronic attachment to an email message. The report is submitted as an EXCEL 97/2000 spreadsheet file attachment to an email message.														
9	2. The report data is extracted from a database which is resident at the Maintenance Center, Barstow (B884). EXCEL 97/2000 is used to export the data from the resident ACCESS 97/2000 database.														
10	3. A field is the equivalent of a column. A record is the equivalent of a row or line.														
11	4. Column A: ACCESS 97/2000 creates a sequential system number (SYS #) when a new record is added to the database. EXCEL 97/2000 generates a sequential row number (LineNo) for the screening program reports.														
12	5. Column B: Costs Identifier: Cost identifiers are used in this program to identify cost not previously identified in the contract.														
13	The Identifier is a two letter code used to classify costs as follows:														
14	The letters (TD) identifies the total cost of Temporary Additional Duty (T.A.D.) trips taken in support of the weapon system.														
15	The letters (OC) identifies Other Identified Costs in support of the weapon system.														
16	The letters (EP) identifies costs associated with implementing Engineering Change Proposal(s) (E.C.P.'s)														
17	The letters (MD) identifies costs associated with Modification Instructions (MI's) and Technical Instructions (TI's).														
18	6. Column C: NSN_1 is the database field name used to record and report the national stock number of the receipt asset. This is the primary sort field for the screening program report.														
19	7. Column D: Asset Description is the database field used to record the asset description. Nomenclature is the screening program report column heading used to report the asset description.														
20	8. Column E: SerialNumber is the database field name used to record the receipt asset serial number. SerNo is the screening program column heading used to report the receipt asset serial number.														
21	9. Column F: NSN_2 is the database field name used to record the outgoing national stock number. NSN Out is the screening program column heading used to report the outgoing national stock number.														
22	10. Column G: PEI/SDR is the database field name used to record and report the asset as either a Principal End Item or a Secondary Depot Repairable asset.														
23	11. Column H: CCIn is the database field name used to record and report the Condition Code of the receipt asset.														
24	12. Column I: CCOOut is the database field name used to record and report the Condition Code of the outgoing assets.														
25	13. Column J: DateAcquired is the database field name used to record the date the Maintenance Center receipts for the incoming asset. Date In is the screening program report column used to report the day the Maintenance Center receipts for the incoming asset.														
26	15. Column K: DateFinished is the database field name used to record the date the Maintenance Center completed the asset screening process. Date Fin is the screening program report column heading used to report the day the Maintenance Center completes processing an outgoing asset.														
27	16. Column L: Receipt Date is the database field name used to record the day the customer receipts for the asset.														
28	17. Column M: FedLogSUP is the database field name used to record the standard unit price (SUP) as shown in the FedLog file on the day the Maintenance Center received the asset.														
29	SUP is the screening program report heading showing the Standard Unit Price on the day the Maintenance Center received the asset.														
30	18. Column N: Lbr Cost is the screening program report heading used to show the labor charges applied to the asset going back to the customer. It is a calculated report field.														
31	19. Column O: Mat Cost is the screening program report heading used to show the cost of materials applied to the asset going back to the customer. It is a calculated report field.														
32	20. Column P: Total Cost is the screening program report heading used to show the total cost applied to the asset going back to customer. It is a calculated report field.														

# APPENDIX A

SAMPLE DATA FOR EXAMPLE ONLY

ID	NSN In	Nomenclature	Serial	NSN Out	PEI/SDR	CCOIN	CCOIN	Date In	Date Out	Receipt	SUP	Lbr Cost	Mtl Cost	Total Cost
ST	1440-01-271-7428	SIGHT OPTICAL GUIDED	212513		SDR	M	M	9/20/99			\$34,144.10			
ST	1440-01-271-7428	SIGHT OPTICAL GUIDED			SDR	M	M	12/1/99			\$34,798.00			
ST	1440-01-271-7428	SIGHT OPTICAL GUIDED	308516		SDR	M	M	9/20/99			\$34,144.10			
ST	1440-01-271-7428	SIGHT OPTICAL GUIDED			SDR	M	M	12/1/99			\$34,798.00			
ST	1440-01-271-7428	SIGHT OPTICAL GUIDED	211187		SDR	M	M	9/20/99			\$34,144.10			
XT	1440-01-271-7428	SIGHT OPTICAL GUIDED			SDR	M	M	11/1/99			\$34,144.00			
XT	1440-01-271-7428	SIGHT OPTICAL GUIDED			SDR	M	M	11/1/99			\$34,144.00			
XT	1440-01-271-7428	SIGHT OPTICAL GUIDED			SDR	M	M	11/1/99			\$34,144.00			
XT	1440-01-271-7428	SIGHT OPTICAL GUIDED			SDR	M	M	11/1/99			\$34,144.00			
XT	1440-01-271-7428	SIGHT OPTICAL GUIDED			SDR	M	M	11/1/99			\$34,144.00			
XT	1440-01-271-7428	SIGHT OPTICAL GUIDED			SDR	M	M	11/1/99			\$34,144.00			
XT	1440-01-271-7428	SIGHT OPTICAL GUIDED			SDR	M	M	11/1/99			\$34,144.00			
SN	5855-01-161-8964	TEST SET, BORESIGHT	200337		PEI	M	M	12/1/99			\$19,354.00			
SN	5855-01-212-4997	EQUIPMENT SET NVS A	200098	5855-01-212-4997	PEI	M	A	10/26/99	11/5/99	11/9/99	\$61,791.00	\$8,094.62	\$865.07	\$9,959.70
SN	5855-01-212-4997	EQUIPMENT SET NVS A	200072	5855-01-212-4997	PEI	M	A	9/10/99	11/5/99	11/9/99	\$61,791.00	\$8,094.62	\$865.07	\$9,959.70
SN	5855-01-212-4997	EQUIPMENT SET NVS A	200235	5855-01-212-4997	PEI	M	A	9/10/99	11/5/99	11/9/99	\$61,791.00	\$8,094.62	\$865.07	\$9,959.70
SN	5855-01-212-4997	EQUIPMENT SET NVS A	200315	5855-01-212-4997	PEI	M	A	9/10/99	11/5/99	11/9/99	\$61,791.00	\$8,094.62	\$865.07	\$9,959.70
SN	5855-01-212-4997	EQUIPMENT SET NVS A	200286	5855-01-212-4997	PEI	M	A	9/10/99	11/5/99	11/9/99	\$61,791.00	\$8,094.62	\$865.07	\$9,959.70
SN	5855-01-212-4997	EQUIPMENT SET NVS A	200232	5855-01-212-4997	PEI	M	A	9/10/99	11/5/99	11/9/99	\$61,791.00	\$8,094.62	\$865.07	\$9,959.70
SN	5855-01-212-4997	EQUIPMENT SET NVS A	200158	5855-01-212-4997	PEI	M	A	9/10/99	11/5/99	11/9/99	\$61,791.00	\$8,094.62	\$865.07	\$9,959.70
SN	5855-01-212-4997	EQUIPMENT SET NVS A	200157	5855-01-212-4997	PEI	M	A	4/4/99	11/5/99	11/9/99	\$61,791.00	\$8,094.62	\$865.07	\$9,959.70
ST	5915-01-175-2657	FILTER ASSEMBLY		5915-01-175-2657	SDR	M	A	6/18/99	11/8/99	11/9/99	\$395.00	\$85.32	\$3.16	\$88.48
ST	5915-01-175-2657	FILTER ASSEMBLY		5915-01-175-2657	SDR	M	A	9/15/99	11/8/99	11/9/99	\$395.00	\$85.32	\$3.16	\$88.48
ST	5999-01-109-9374	CIRCUIT CARD ASSEMBLY	061300	5999-01-109-9374	SDR	M	A	11/19/99	11/22/99	11/22/99	\$290.00	\$62.64	\$2.32	\$64.96
ST	5999-01-109-9374	CIRCUIT CARD ASSEMBLY	091413	5999-01-109-9374	SDR	M	A	11/19/99	11/22/99	11/22/99	\$290.00	\$62.64	\$2.32	\$64.96
ST	5999-01-109-9374	CIRCUIT CARD ASSEMBLY	021179	5999-01-109-9374	SDR	M	A	11/19/99	11/22/99	11/22/99	\$290.00	\$62.64	\$2.32	\$64.96
ST	5999-01-109-9374	CIRCUIT CARD ASSEMBLY	031200	5999-01-109-9374	SDR	M	A	11/19/99	11/22/99	11/22/99	\$290.00	\$62.64	\$2.32	\$64.96
ST	5999-01-109-9374	CIRCUIT CARD ASSEMBLY	021214	5999-01-109-9374	SDR	M	A	11/19/99	11/22/99	11/22/99	\$290.00	\$62.64	\$2.32	\$64.96
ST	5999-01-112-4325	CIRCUIT CARD	2273	5999-01-112-4325	SDR	M	A	6/18/99	11/22/99	11/22/99	\$1,181.00	\$255.10	\$9.45	\$264.54
ST	5999-01-112-4325	CIRCUIT CARD	37	5999-01-112-4325	SDR	M	A	6/18/99	11/22/99	11/22/99	\$1,181.00	\$255.10	\$9.45	\$264.54
ST	5999-01-145-7729	INTERFACE ASSEMBLY	122071	5999-01-145-7729	SDR	M	A	7/16/99	11/8/99	11/8/99	\$3,117.00	\$673.27	\$24.94	\$598.21
ST	5999-01-145-7729	INTERFACE ASSEMBLY	041104	5999-01-145-7729	SDR	M	A	7/16/99	11/8/99	11/8/99	\$3,117.00	\$673.27	\$24.94	\$598.21
ST	5999-01-145-7729	INTERFACE ASSEMBLY	061073	5999-01-145-7729	SDR	M	A	7/16/99	11/8/99	11/8/99	\$3,117.00	\$673.27	\$24.94	\$598.21
ST	5999-01-145-7729	INTERFACE ASSEMBLY	211006	5999-01-145-7729	SDR	M	F	11/18/99	11/29/99	11/29/99	\$3,117.00	\$63.49	\$0.00	\$63.49
ST	5999-01-145-7729	INTERFACE ASSEMBLY	038	5999-01-145-7729	SDR	M	F	11/18/99	11/29/99	11/29/99	\$3,117.00	\$63.49	\$0.00	\$63.49
SN	5999-01-298-2957	CIRCUIT CARD ASSEMBLY			SDR	M	M	11/2/99			\$634.19			
SN	5999-01-298-2957	CIRCUIT CARD ASSEMBLY			SDR	M	M	11/2/99			\$634.19			

