

**STATEMENT OF WORK FOR THE  
REBUILD  
OF THE  
RIFLE, 5.56MM, M16A2  
NSN 1005-01-128-9936  
Document Control Number: SOW-04-CBG-05538C-1/1  
Date:24 October 2001**

## TABLE OF CONTENTS

<b>Paragraph</b>	<b>Contents</b>	<b>PAGE</b>
1.0	SCOPE	1
1.1	Background	1
2.0	APPLICABLE DOCUMENTS	1
2.1	Military Standards	1
2.2	Other Government Documents and And Publications	1
2.3	Industry Standards	2
3.0	REQUIREMENTS	2
3.1	General Tasks	2
3.2	Detailed Tasks	2
3.2.1	Inspections, Testing And Acceptance	3
3.2.2	Packaging, Handling, Storage, And Transportation	3
3.3	Configuration Management	4
3.4	Government Furnished Equipment (GFE) Accountability Government Furnished Materiel (GFM)	4
3.5	Contractor Furnished Materiel	4
3.6	Quality Assurance Provisions	4
3.7	Acceptance	4
3.8	Rejection	4
4.0	REPORTS	5
4.1	Monthly Progress Reports	5

**STATEMENT OF WORK FOR THE  
REBUILD OF THE  
RIFLE, 5.56MM, M16A2  
NSN 1005-01-128-9936**

1.0 SCOPE. This Statement of Work (SOW), along with Depot Maintenance Work Requirement (DMWR) DMWR-9-1005-249, 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 RIFLE, 5.56MM, M16A2, hereafter referred to as the M16A2. This document contains requirements to restore the M16A2 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 restore 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, repair 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-129                      DoD Standard Practice for Military Marking

2.2 Other Government Documents and Publications. The issues of those documents cited below shall be used.

TM 05538C-23&P/2	Organizational and Intermediate Maintenance Manual Rifle, 5.56mm M16A2
DMWR-9-1005-249	USAAMCCOM Depot Maintenance Work Requirement
DoD 4000.25-1-M	MILSTRIP Manual
SPI AMP9349000	Special Packaging Instruction (SPI)

2.3 Industry Standards.

ANSI/ISO/ASQC  
Q9003-1994

Quality System-Model for Quality Assurance in Final  
Inspection and Testing

Copies of Military Specifications and Standards are available from the DoD Single Stock Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, commercial telephone number (215) 697-2179 or DSN 442-2179, or <http://www.dodssp.daps.mil>. Copies of other government documents or publications required by the contractor in connection with specific SOW requirements shall be obtained through the Contracting Officer, Contracts Department (Code 891), P. O. Drawer 43019, 814 Radford Blvd., MCLB, Albany, GA 31704-3019, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Supply Management Center, Attn: Code 583-1, 814 Radford Blvd., Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6410 or DSN 657-6410.

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 the M16A2. 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 Systems Command (MCSC), (Code CBG), Albany, Georgia representative.

3.2 Detailed Tasks. The following tasks describe the different phases for REBUILD of the M16A2.

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.

(4) Rebuild will be in accordance with DMWR 9-1005-249 and TM 05538C-23&P/2.

(5) The following items are mandatory replacement parts:

Trigger Sub-Assembly	1005-01-219-2402
Hammer and Hammer Pin Assy	1005-01-134-3630
Cam Burst	1015-01-148-0172

Disconnecter Semi	1005-01-145-7910
Disconnecter Burst	1005-01-144-1499

### 3.2.1 Inspection, Testing and Acceptance.

a. Inspection, Testing and Acceptance of the M16A2 shall be conducted in accordance with TM 05538C-23&P/2 and DMWR-9-1005-249.

b. The Contractor shall be responsible for conducting required tests and shall ensure all necessary personnel are notified prior to completion of the final acceptance. Acceptance tests shall be witnessed by a MCSC, (Code CBG), Albany, Georgia, representative. MSCS (CBG), Albany, Georgia representative 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. MCSC (Code CBG), 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 M16A2's repaired under the provisions of this SOW shall be accomplished in accordance with TM 05538C-23&P/2 and DMWR-9-1005-249.

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

a. The contractor shall be responsible for preservation and packaging of items being repaired under the terms of this statement of work. Items being prepared for long term storage or shipment to overseas destinations shall be in accordance with level "A" requirements of Special Packaging Instruction AM P9349000, which may be obtained from the Supply Chain Management Center (580), Storage and Distribution (Code 581), Suite 20320, 814 Radford Blvd., Albany, Georgia 31704-0320, commercial telephone number (229) 639-6786 or DSN 567-6786. Items being prepared for domestic shipment for immediate use shall be in accordance with level "B" requirements.

b. Marking for shipment and storage shall be in accordance with MIL-STD-129. Additional markings for concealed identification of sensitive or pilferable items shall be in accordance with SPI AMP9349000.

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 M16A2 has been established in TM 05538C-23&P/2 and DMWR-9-1005-249. No deviation from the approved baseline will be allowed due to safety factors.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). The Management Control Activity (MCA/Code 573-2) will coordinate Government Furnished Equipment/Government Furnished Materiel (GFE/GFM) request and maintain a central control system on all government owned assets in the contractor's possession. The MCA will forward a GFE Accountability Agreement to the contractor for signature on an annual basis to establish a chain of custody and identify property responsibilities for Marine Corps assets. The contractor is to acknowledge receipt of GFM to the MCA within 15 days of receipt. (This can be done by mailing (Materiel Management Department, Management Control Activity (Code 573-2) 814 Radford Blvd., STE 20320, Albany, Georgia 31704-0320) or faxing (commercial telephone number 229-639-5498 or DSN 567-5498) a copy of the DD1348).

3.5 Contractor Furnished Materiel (CFM). The Contractor may requisition materiel as required in the performance of the SOW through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP), Chapter 11 provides guidance to contractors on the requisitioning process. The contractor's decision to utilize CFM procured from DoD Supply System shall be based upon cost effectiveness, availability of materiel and the required completion/delivery date.

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 a MCSC, (Code CBG), Albany, Georgia representative shall be permitted to observe the work or to conduct an inspection. Final Inspection and Acceptance testing shall be conducted at the Contractor's Facility and witnessed by a MCSC, (Code CBG), Albany, Georgia representative. Final acceptance shall be conducted on 10 percent of the end 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 a MCSC, (Code CBG), Albany, Georgia representative. The Contractor shall, at no additional cost to MCSC, (Code CBG), 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 Reports. The Contractor shall provide Monthly Progress Reports summarizing the progress and status of the REBUILD Program to Marine Corps Systems Command, Attn: (Code CBG), 814 Radford Blvd., Suite 20320, Albany, Georgia 31704-0320.

