

**QUALITY ASSURANCE PROVISIONS (QAP)**  
(DARCOM-R-702-10)

1. COMMAND AGENCY:  
U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT, AND ENGINEERING CENTER  
PICATINNY ARSENAL, NJ 07806-5000
2. THESE QAP'S FORM PART OF DRAWING/SPECIFICATION 13006445 AS SPECIFIED IN THE CONTRACT.  
INSPECTION SHALL BE CONDUCTED AS SPECIFIED HEREIN AND IN ACCORDANCE WITH REFERENCED DOCUMENTS.

3. PART I. LIST OF APPLICABLE DOCUMENTS

DRAWINGS

13006445 Yoke, Lower Rear

STANDARDS

MIL-STD-1916 DoD Preferred Methods for Acceptance of Product

SPECIFICATIONS

None

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

4. RELEASE NUMBER														
5. DATE														
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REVISION STATUS OF SHEETS	6. REVISION	-	-	-	-	-								
	7. SHEET	1	2	3	4	5								
	8. REVISION													
	7. SHEET													
8. QAP FOR:		Yoke, Lower Rear M777 Towed Howitzer, 155mm										ORIGINAL CAGE CODE	CURRENT CAGE CODE	
												19200	19200	
9. SUBMITTED BY:		AMSTA-AAR-QEW-B <i>Cary Bodnarчук</i>										10. QAP NO.: 13006445		
11. DATE:	12. APPROVED:											13. RELEASE NO.:	14. PAGE NO.:	15. NO. OF PAGES:
05-10-03	<i>[Signature]</i>											LOSA2026	1	5

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### PART II. CONFORMANCE PROVISIONS

1. General provisions.

1.1 Classification of characteristics. There are three classes of characteristics covered in this QAP. These are: Critical Characteristics, Major Characteristics, and Minor Characteristics, as defined in MIL-STD-1916.

1.2 Workmanship. All parts shall be fabricated and finished in a thorough, workmanlike manner and all manufacturing, processing and assembly shall be correctly performed. The parts shall be clean and free of burrs, sharp edges, unblended radii, surface defects, cracks, chips, dirt, grease, oil (except where specifically required), rust, foreign matter or any evidence of poor workmanship that could render the system unsuitable for its intended purpose.

1.3 Certification provisions.

1.3.1 Certificate of conformance (COC). A certificate of conformance is required for Military Standard and commercial items, supported by inspection and test data, material analysis, or certification from the raw material producer or processor, and shall be made available to the Government for specifications covering raw material, processed material, and processes. The contractor shall make the COC available to the Government prior to or with the request to perform acceptance inspection approval by the Government. This is in addition to, and not in lieu of, any rights of the Government under this contract or law. A COC may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the COC shall contain the following:

- a. Name of company and date.
- b. Contract number or purchase order number, national stock number and drawing number.
- c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
- d. A statement, as follows, certifying that material meets all requirements of the contract:

“The undersigned, individually, and as the authorized representative of the contractor, warrants and represents that: All the information supplied above is true and accurate; the material covered by this certificate conforms to all contract requirements (including but not limited to the drawings and specifications); the analyses appearing herein are true and accurate analyses; and this certificate is made for the purpose of inducing payment and with knowledge that the information and certification may be used as a basis for such payment.”

- e. Signature and title of certifying official.

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PART II. CONFORMANCE PROVISIONS (CONT'D)

2. First article inspection.

2.1 Submission. Unless otherwise specified, a first article sample consisting of three (3) Yoke, Lower Rear shall be submitted for inspection and approval in accordance with the terms of this contract. The sample items will be subjected to any or all of the conformance inspections listed in Part III of this QAP and may be inspected for compliance with any or all of the requirements of the applicable drawing(s) and specification(s). The certification requirements of Part IV apply.

2.2 Rejection. If any sample item fails to comply with any of the applicable requirements, the First Article sample shall be rejected. The Government reserves the right to terminate inspection upon any failure to comply with any of the requirements.

3. Verification. Verification inspection shall consist of inspection of all conformance characteristics contained in Part III, Inspection Requirements, and Part IV, Certification Provisions, of this QAP. Failure to comply with the conformance criteria specified shall be cause for rejection of the lot or quantity represented.

3.1 Lot formation. Inspection lots shall comply with the lotting requirements of MIL-STD-1916, paragraph 4.2.

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**PART II. CONFORMANCE PROVISIONS (CONT'D)**

- 3.2 Attributes sampling inspection. The provisions/procedures of MIL-STD-1916 are applicable to this QAP. Unless otherwise specified, attributes sampling for the conformance characteristics listed in Part III herein shall be in accordance with MIL-STD-1916, Table II, using the verification level cited in the conformance criteria columns of Part III. The procedure in MIL-STD-1916 for normal inspection shall be used at the start of production for current or previous suppliers of the item. For all new suppliers of the item, tightened inspection shall be used at the start of production and be continued until the criteria for normal inspection are met.
- 3.3 Alternative verification provisions. Unless otherwise specified, alternative verification provisions, such as statistical process control (preferred), variables or continuous sampling plans, may be used by the contractor in lieu of the inspection provisions contained herein when such alternative(s) provide an equivalent or better level of quality, and provided they have been described in a written proposal which has been approved by the Government.
- 3.4 Inspection equipment. Unless otherwise specified herein or the contract, all inspection equipment required to perform the examinations and tests in this QAP shall be designed, documented and maintained by the contractor, including any fixtures necessary to accommodate the test procedures. Inspection equipment shall incorporate the appropriate measurement capability, precision and accuracy to assure rejection of all nonconforming product.

**PART III. INSPECTION REQUIREMENTS**

1. Classification of Conformance Characteristics.

<u>CLASS</u>	<u>CHARACTERISTIC</u>	<u>ZONE</u>	<u>CONFORMANCE CRITERIA</u>	<u>INSPECTION METHOD</u>
<u>CRITICAL:</u> None				
<u>MAJOR:</u>				
101.	.512 Diameter hole (2 places)	C3	II	SMTE
102.	.973 Diameter counterbore of .512 hole (2 places)	C3	II	SMTE
103.	Positional tolerance to Datums A, B and C	C3	II	SMTE
104.	9.81 Diameter	B3	II	SMTE
105.	1.53 Thickness	D5	II	SMTE
106.	Depth of .512 Diameter hole (2 places)	B3	II	SMTE
107.	Protective finish missing or incorrect (Note 4)	D8	II	Visual
<u>MINOR:</u>				
201.	Workmanship	All	I	Visual

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