

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1 11
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 12-May-2016	4. REQUISITION/PURCHASE REQ. NO. N0010416NB086		5. PROJECT NO.(If applicable)
6. ISSUED BY NAVSUP WEAPON SYSTEMS SUPPORT 5450 CARLISLE PIKE P.O. BOX 2020 MECHANICSBURG PA 17055-0788	CODE N00104	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. N00104-16-R-K111	
		X	9B. DATED (SEE ITEM 11) 27-Apr-2016	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) CLIN 0007 is revised for government testing in lieu of contractor testing. Sections B, E, F, and data item A004 are revised accordingly.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL: _____ EMAIL: _____		
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED 12-May-2016	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 0007AB

The CLIN extended description has changed from Consists of: 1 Lot of 16 each net, plus an additional 18 each per lot for test. (15 each for test and 3 each for investigative purposes) to Consists of: 1 Lot of 16 each net, plus an additional 18 each per lot for test. (15 each for test and 3 each for investigative purposes) GOVERNMENT TEST PER SECTION E..

SECTION E - INSPECTION AND ACCEPTANCE

The following have been modified:

SECTION E**SECTION E – PRODUCTION LOT TEST SAMPLES (CONTRACTOR TESTING CLINS 0001-0006) (MAR 2015)**

1. Test samples are required from each production lot and are to be tested in accordance with the approved test plan. A production lot shall consist of net deliverable quantity, plus additional lot test sample units and any retained sample units for investigative purposes as may be required by Section B.
2. The production lot(s) must be manufactured and presented to the Government Quality Assurance Representative (QAR) with all documentation required by section B. The documentation (WAWF-RRs and Ammunition Data Card printed from WARP) accompanying the production lot test samples shall contain the contract number, item, lot number identification, DODIC, NSN, and serial numbers. The presentation of the lot shall be made to the QAR ([see clause 52.211-8](#)) calendar days after date of contract to select the production test samples. The samples shall be selected, at random, from each production lot, by the QAR within 48 hours for resident QARs, or 7 calendar days for non-resident QARs after presentation of the lot.
3. Sample units removed for testing from different lots shall not be commingled.
4. Production lot testing shall be performed by the Contractor within 30 calendar days of production lot sample selection. Production lot testing shall be witnessed by a representative of the engineering activity and/or the cognizant QAR. The Contractor shall provide written notification to the Contracting Officer, with concurrent notification to the engineering activity, and the QAR, at least 20 calendar days prior to the planned testing date.

NOTE: If a failure occurs during testing and an engineering activity representative is not present, all testing shall be halted and the engineering activity and contracting officer shall be notified within 24 hours. A Government representative shall be allowed to participate in the failure investigation in accordance with applicable CDRLs. Contractor testing shall resume upon notification by the Contracting Officer.

5. Disposition of Production Lot Test Samples –

Production Lot Testing Samples are subject to destructive testing. These units cannot be used to meet the total contract quantity.

6. A production lot test report is required and shall be forwarded in accordance with the DD 1423 sequence number **A003** requirements to the address shown in Block 14. The test report shall include all results of testing conducted in accordance with the approved test plan.

7. Acceptance, shipment, and payment shall not be accomplished until the production lot test samples have been tested, the required report approved, and the lot has been released for service use. The retained samples, if applicable, shall be shipped to the address provided in Section F of the contract after the lot has been released for

service use.

8. The only valid and contractually binding notification of production lot approval, conditional approval, or disapproval shall be in writing and issued by the Contracting Officer. This notification shall be made to the Contractor within 30 calendar days after the Contracting Officer receives the production lot test report(s) and all applicable CDRL requirements. Upon receipt of the written approval accepting a production lot(s), the Contractor shall ship the production lot(s) as soon as possible and no later than fifteen (15) calendar days after receipt of such notice. Final acceptance of the production lot(s) shall be the responsibility of the cognizant DCMA QAR, but shall not occur unless and until the production lot approval has been issued in writing by the Contracting Officer.

- a. Any notice of approval or conditional approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract.
- b. A notice of conditional approval may state any further action required of the Contractor. In the event the test sample fails to meet the requirements of the specification or drawing, the Contractor shall submit a Failure Analysis and Corrective Action Report (DD Form 1423, sequence number, **A004** with all associated costs and expenses to be borne solely by the Contractor.
- c. A notice of disapproval may cite reasons for such. If the production lot test report(s) is disapproved by the Contracting Officer, the QAR may be required to select an additional production lot test sample(s) for testing. This direction may be given by the Contracting Officer in the notice of disapproval. The Contractor shall furnish such additional test sample(s) under the terms and conditions and within the time specified in the notification. The cost of each additional approval test, and all costs related to such test(s), shall be borne by the Contractor. Upon approval of the production lot test sample(s) and report(s), the Contracting Officer may, at his/her discretion, equitably adjust the delivery schedule of the contract for only the lot represented by such sample(s). The Government reserves the right to require an equitable decrease of the contract price for any extension of the delivery schedule necessitated by additional test(s) or for any additional costs incurred by the Government due to the need for additional approval test(s).

9. If the Contractor fails to deliver any production lot test sample(s) within the time or times specified, or if the Contracting Officer disapproves any production lot test report(s), the contract may be deemed to have failed to make delivery within the meaning of the "Default" clause of this contract, and this contract may be subject to termination for default. In such an event, failure of the Government to terminate this contract for default shall not relieve the Contractor of the responsibility to meet the delivery schedule for production quantities.

SECTION E – PRODUCTION LOT TEST SAMPLES (NSWC TESTING – CLIN 0007) (MAR 2015)

1. Test samples are required from each production lot. A production lot shall consist of: Net deliverable quantity, plus additional units for Lot Acceptance Test, in accordance with Section B. The performance, tests, and/or other characteristics, which the sample units must meet, shall be in accordance with the requirements of Section C of this contract.

2. The production lot(s) must be manufactured and presented to the Government Quality Assurance Representative (QAR) with all documentation required by section B. The documentation (WAWF-RRs and Ammunition Data Card printed from WARP) accompanying the production lot test samples shall contain the contract number, item, lot number identification, DODIC, NSN, and serial numbers. The presentation of the lot shall be made to the QAR ([see clause 52.211-8](#)) calendar days after date of contract to select the production test samples. The samples shall be selected, at random, from each production lot, by the QAR within 48 hours for resident QARs, or 7 calendar days for non-resident QARs after presentation of the lot.

NOTE 1: Sample units removed for testing from different lots shall not be commingled.

3. After the selection of the production lot samples and all required data, the samples shall be furnished and shipped by the Contractor to the testing activity set forth in **Section F** within 15 calendar days of selection at no additional charge to the Government. The production lot test samples shall not be considered received until all data necessary to evaluate the samples is received.

4. The following activity will conduct production lot testing: **Naval Surface Warfare Center Indian Head Explosive Ordnance Disposal Technology Division**

5. **Disposition of Production Lot Test Samples -**

Units submitted for Production Lot Testing are subject to destructive testing. These units cannot be used to

meet fleet support requirements. Samples tested will not be returned to the Contractor. However, in the event there is a failure, or samples are rejected for some other reason, the Contractor may request the return of units not destroyed during testing and/or residual material for disposition/examination. The written request to return rejected units/material shall be received by the Contracting Officer, with a concurrent copy to the testing activity, within fifteen (15) calendar days after notification of rejection. Any units/material returned will be at the Contractor's expense.

6. All other contractual requirements, such as acceptance, shipment, and payment will not be accomplished until the production lot test samples have been tested, approved, and released for service use. The Contractor shall not make shipment of the production lot until receipt of written notification of approval by the Contracting Officer.

7. The only valid and contractually binding notification of production lot approval, conditional approval, or disapproval shall be in writing and issued by the Contracting Officer. This notification may be made to the Contractor within sixty (60) calendar days after receipt of the production lot test samples and all necessary data are received by the Government Testing Activity. Upon receipt of written notice accepting a production lot, shipment shall be made as soon as possible and no later than fifteen (15) calendar days after receipt of such notice.

- a. Any notice of approval or conditional approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract.
- b. A notice of conditional approval shall state any further action required of the Contractor. In the event the test sample fails to meet the requirements of the specification or drawing, the Contractor shall submit a Failure Analysis and Corrective Action Report (DD Form 1423, sequence number, **A004**) with all associated costs and expenses to be borne solely by the Contractor.
- c. A notice of disapproval shall cite reasons for such. If any production lot test sample(s) is disapproved by the Government and at the Contractor's sole cost and expense, the Contractor may be required, at the option of the Government, to submit an additional production lot test sample(s) for test. After each notification by the Contracting Officer to submit an additional production lot test sample(s), the Contractor shall - at no additional cost to the Government - make any necessary changes, modifications, or repairs to the production lot or the Government QAR may be required to select another test sample for testing. Such additional test sample(s) shall be furnished to the Government under the terms and conditions and within the time specified in the notification. The Government shall take action on this test sample(s) within sixty (60) calendar days after receipt. The cost of each additional approval, and all costs and expenses related to such test(s) shall be borne solely by the Contractor. **Retest Cost for Item 0007 is: \$12,210.30. (NOTE: Test costs are based on actual rates in effect at the time of issuance of the solicitation. In the event of a test failure, actual cost at the time of retest will be assessed.)** The Government reserves the right to require an equitable decrease of the contract price for any extension of the delivery schedule necessitated by additional tests.

8. If the Contractor fails to deliver any production lot test sample(s) within the time or times specified, or if the Contracting Officer disapproves any production lot test report(s), the contract may be deemed to have failed to make delivery within the meaning of the "Default" clause of this contract, and this contract may be subject to termination for default. In such an event, failure of the Government to terminate this contract for default shall not relieve the Contractor of the responsibility to meet the delivery schedule for production quantities.

SECTION E – INSPECTION AND ACCEPTANCE OF TEST PLANS / PROCEDURES (MAR 2005)

1. The Contractor shall submit a test plan/procedure for Government approval/disapproval as specified in the Contract Data Requirements List (DD Form 1423, sequence number, **A005**). The test plan shall be submitted within sixty (60) calendar days after contract award date. The Acceptance Test Plan shall identify that test fixtures are available for use at the Contractor's Facility.
2. Notification of test plan approval, conditional approval, or disapproval shall be in writing and issued by the Contracting Officer. This notification may be made to the Contractor within 30 calendar days after receipt of the Production plan/procedure.
3. The notice of approval or conditional approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract.

4. A notice of conditional approval may state any further action required of the Contractor.
5. A notice of disapproval shall cite the reasons for such. If the plan or procedure is disapproved by the Government, the Contractor may be required, at the option of the Government, to submit a revised plan or procedure for evaluation. After each notification by the Government to submit a revised plan or procedure, the Contractor shall, at no additional cost to the Government, make any necessary revisions or modifications to the plan or procedure. Such revisions shall be furnished in accordance with terms and conditions and within the time specified in the notification. The Government may take action on the resubmitted plan or procedure within the time specified above. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule necessitated by resubmission of the plan or procedure.
6. If the Contractor fails to deliver the plan or procedure within the time specified, or if the Contracting Officer disapproves any plan or procedure, the Contractor shall be deemed to have failed to make delivery within the meaning of the "Default" clause of this contract, and this contract shall be subject to termination for default. However, failure of the Government in such an event to terminate the contract shall not relieve the Contractor of the responsibility to meet all requirements of the contract including delivery of any first article sample(s), data requirements, and/or production quantities.
7. There is hereby created an option for the Government to waive the requirement for submission of a plan or procedure. If the offeror has had its plan previously approved by the Government, the following information shall be furnished:

Approved by _____ Date of approval _____

Contract number and Contractor under which plan/procedure was approved _____.

Test Plan number, revision date and NSN for which the item was previously approved _____.
8. If the submission of the plan or procedure is waived, the previously approved plan or procedure shall apply to the contract.

SECTION E – CAD/PAD INSPECTION AND ACCEPTANCE (MAY 2015)

1. Inspection and acceptance shall be in accordance with DL 294AS100 (M571), DL 850AS128 (XW48), DL 850AS126 (XW49), DL 850AS127 (XW50), DL 850AS125 (XW51), DL 2519696 (M397) and DL 2520002 (M507).
2. The Government reserves the right to invoke the requirement for First Article Testing (FAT) if there is a change in process, facilities, materials, equipment, or production of the item; if two years or more have passed since the item was last manufactured, or if the item has developed a problem. Process is defined as the steps or tasks that are performed to create a product. Facilities is defined as location or buildings where the process(es) are performed to manufacture a product. Materials are defined as all the raw ingredients that are used in the manufacturing of the item. Equipment is defined as all the tools used to manufacture a product. Production is defined as to make, manufacture, or create a product.
3. The age of the energetic materials and components (i.e. ALL explosives, propellants, pyrotechnics, cartridges, and/or initiators) used in the manufacture of these items or sub-components shall not exceed twenty four (24) months based on the original manufacturing date. All energetic materials and components must be traceable to the original DoD qualified manufacturer and compliant with the ITAR part 120 and 121 (http://www.pmdtc.state.gov/regulations_laws/itar.html). Raw (non-blended) ingredients & materials used in blended/mixed energetic materials such as, but not limited to: fuels, oxidizers, binders, curatives, sensitizers, plasticizers, stabilizers etc., shall not exceed six months since date of manufacture and comply with original manufacture's specification or military standard. The Government may waive the energetic and constituent material requirements listed above or portions thereof, on a case-by-case basis (when acceptable to the Government) provided the Contractor furnishes all details of the reason for the waiver and the age, lot numbers, traceability, and other pertinent information/ test data and Certificate of Analysis/ Conformance (COA/COC) of the subject materials or components. The waiver shall be submitted as a RFV and may be subject to, but not limited to, conditions such as sensitivity testing, stabilizer analysis and/or dehumidification at Contractor's cost.

4. The Contractor shall provide and maintain a quality program acceptable to the Government and modeled on ISO 9001:2008 with Technical Corrigendum 1 or an equivalent quality system. If the quality program is not modeled on ISO 9001:2008 with Technical Corrigendum 1 the offeror/prospective Contractor shall indicate the quality system proposed along with how it is equivalent, under separate letter submitted with the offer/proposal.

ISO 9001:2008

Other

This quality system along with program specific production documentation shall be made available for review by the Government's representative upon request, at the Contractor's facility at no cost to the Government.

5. Due to the critical nature and safety application of these items, the Contractor and the QAR are cautioned that it is mandatory to ensure the correct identification and nomenclature are assigned for all items and shipping containers prior to shipment including cage codes.

6. Radiographic equipment and procedures shall meet the standards stipulated in the latest revisions of the following specifications: ASTM E1742, ASTM E748, and ASTM E545.

7. Radiographers shall be qualified and certified accordance with the requirements described in specification NAS 410.

8. In order to fulfill contractual requirements, the Contractor must submit acceptable radiographs. Radiographs not conforming to the requirements specified herein will not be reviewed by NSWC IHEODTD. Disposition of non-conforming radiographs will be by mutual agreement of the parties.

9. Radiographic Test Technique (RTT) shall include specific verifications to be performed (i.e., explosive train free of gaps, voids, and cracks, all charges and components present, etc.). Representative Quality Indicators (RQI) should be used on radiographic film or digital images for all CAD/PAD devices. The RQI (also known as a defect standard) contains a known defect (i.e. missing explosive charge) placed next to a good unit for comparison, to aid in interpretation. Radiographic test technique shall include RQI to be used and RQI placement. IQIs on the radiographic film or digital image must also be used for all PAD devices. The penetrameter must be made of Magnesium, which is radiographically similar to propellant. The thickness of the penetrameter must be 2% of the total propellant thickness. The placement of the penetrameter(s) shall be on the part nearest the edge of the film cassette, at the outer edge of the cone of radiation. This allows for the measurement of the image quality or contract sensitivity at the area of maximum geometric sharpness. The penetrameter sensitivity must be 2-2T unless otherwise noted in the drawings or specification for the item being procured.

Radiographic test technique and sample images for X-rays and N-rays, as applicable, shall be submitted with the First Article Test (FAT) samples to the activity cited below. If there is no FAT requirement, the radiographic test technique and sample images for X-rays and N-rays, as applicable, shall be submitted 45 days before the production lot delivery date to the activity below.

NSWC IHEODTD
 CAD/PAD DEPARTMENT BLDG 1557
 ATTN: CODE E21EG
 4393 BENSON ROAD
 INDIAN HEAD MD 20640-5092
 Edith.Gray@navy.mil

- a. Test technique information for **ALL radiographs** is specified in section 6 of ASTM E1742, refer to DD 1423 sequence number **A006**. The radiographic images shall display a number of units representative of a production lot. On sample plates/images units shall be positioned on the radiographic plate at the areas of minimum and maximum geometric distortion. Sample Images shall be of the same size and type as used for the production lot. Film densities below 1.5 are permitted when agreed upon between the cognizant engineering organization and the NDT facility.

10. The Contractor shall submit radiographic film as marked (X) below:

X-RAYS (per applicable spec)	N-RAYS (per ASTM E748)	Sample / LOT Description
X		Test Technique Required
		First Article Sample
X		LOT Acceptance Test Samples
X		Production Lot Units

		Explosive Sub-Assemblies (i.e., NON-GFM CTGS, Booster Sleeves, etc.)
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a. Radiographs of Production Lot Units shall include Lot Acceptance Testing (LAT) samples.

11. Radiographs may be produced using film (conventional x-ray), or non-film (digital) techniques such as Digital Detector Array (DDA), or Computed Radiography (CR), with the understanding that the Contractor must be qualified and given prior approval to use digital radiography by NSWC IHEODTD. If digital radiographs are submitted, they shall be in the form of raw data that is Digital Imaging and Communication in Nondestructive Evaluation (DICONDE) compliant. In addition to the raw DICONDE data, 16 bit Tagged Image Format (TIF) images of the digital radiographs must be submitted. The qualification of non-film techniques will be done IAW the latest versions of standards referenced in the latest version of ASTM E1742 (currently ASTM E1742/E1742M-12), such as ASTM E2698 and ASTM E2737 (for the qualification of Digital Detector Array (DDA) detectors), or ASTM E2033 and ASTM E2445 (for the qualification of Computed Radiography (CR) systems). A qualification plan must be submitted to the Level III Radiographer at NSWC Indian Head EODTD for review prior to qualification of the digital x-ray system. Once the qualification plan has been reviewed and approved, the Level III Radiographer at NSWC Indian Head EODTD will conduct a site visit (i.e. audit) to witness the qualification of the digital x-ray system. The results of the tests performed during the digital x-ray system qualification will be documented in a qualification document, which will be submitted to the Level III Radiographer at NSWC Indian Head EODTD. An official approval letter will then be issued by the Commanding Officer, NSWC Indian Head EODTD, which authorizes the use of the digital system. Follow up audits at regular intervals (i.e. annually) may be conducted to assure the long term stability and performance of the digital x-ray system.

12. The Contractor shall submit a DR or CR sample plate and technique, and also a conventional film sample plate and technique representative of the production lot. The sample plates and techniques will be reviewed by a NSWC IHEODTD Level III Radiographer, to ensure that the image quality of the digital radiograph is comparable to film. Formal notification of the DDA or CR Technique and sample plate Review results will be provided in writing from the Contracting Office. All DR or CR radiographs shall be provided in CD or DVD format containing uncompressed digital images, as previously approved per the applicable Radiographic Test Technique (RTT) and sample plate. After approval of the RTT and sample plate is granted by the government, only DR or CR radiographs will be required. The Contractor may submit conventional film sample plates, if they chose to submit production x-rays on film, instead of using a digital technique.

13. Written notification of approval/rejection of the sample images shall be made by the Contracting Officer after receipt of the RTT and sample images at NSWC IHEODTD. Written approval of the sample images must be received prior to performing radiographic inspection of the production lot units. The Contractor shall then follow the approved technique to produce subsequent radiographs with the same quality as the approved sample images. Any change in the approved radiographic technique or equipment requires submittal and approval of new radiographic sample images at the Contractor's expense.

- a. There is hereby created an option for the Government to waive the requirement for submission of a radiographic test technique and sample images. The Contractor may only request a waiver for the submission of the sample plate and RTT as long as the Cognizant Engineering Organization (CEO), which is NSWC IHEODTD, has an approved sample plate and RTT on file from a previous contract, and the x-ray equipment or RTT has not changed since the referenced contract, the following information shall be furnished:

Approved by _____ Date of approval _____

Contract number under which approved _____

- b. If the submission of the RTT and sample plate is waived, the previously approved technique shall apply to the contract.
- c. If the Contractor requests waiver of submission of the RTT and sample plate after time of award, an offer of adequate consideration shall accompany the request.

14. An acceptable radiographic sample image is required for each line item on this contract.

15. When submitting the radiographic images, the Contractor shall also submit a report of radiographic inspection. This report shall clearly indicate the units subjected to radiographic inspection by the following data:

- ▶ Item Nomenclature and DODIC
- ▶ Government drawing or part number

- ▶ Complete lot number
- ▶ Complete contract number
- ▶ Missing units by serial number
- ▶ Span of serial numbers displayed
- ▶ Nonconforming units by serial number and reason for rejection

Any units found to be nonconforming shall be clearly identified. The specific nature of the non-conformance shall be cited, as well as any assignable cause or analysis related to the occurrence.

16. When undergoing radiographic inspection, each unit in the sample or lot shall be permanently serialized in consecutive numerical order per MIL-STD-1168 before radiographic inspection. Serial numbers shall not be repeated on items with the same part number regardless of changes in the lot number. The numbering shall be from left to right, top to bottom with the first item on the left of each row having the lowest serial number. All annotation must be represented using a method which leaves a permanent image on the film, such as placing lead letters on the film cassette or digital detector prior to each exposure. It is NOT acceptable to use adhesive labels, or to write annotation on the film using a marker or other writing instrument. Units that are missing on a radiograph must be indicated by identifying the serial number of the unit immediately preceding, and immediately following, the missing unit(s).

All units shall be arranged on trays or boards in consecutive numerical order. Radiographs shall reveal internal components. This may require using various techniques which may include multiple exposures, multiple speeds of film being loaded for each exposure, or additional orientation of unit(s) i.e. 0 degree and 90 degree exposures. Any discontinuities in the serial numbers displayed shall be clearly marked on the representative radiographic image. Specific reasons for the missing serial number(s) and all rejects from the Contractor and QAR inspections prior to radiographic inspection shall be recorded on the radiographic inspection report as described in paragraph 11 and forwarded with the LAT sample. Row-unit-quantities shall be consistent except the ending row of the production lot, which may vary. In addition, serial numbers shall appear at the end of each row when more than 100 units appear on one radiograph image; these serial numbers may appear on tape and be affixed to the radiograph.

17. This radiographic image and report shall be shipped prepaid. The radiographic image and report may be sent prior to or concurrently with the first article or lot acceptance test samples, under separate cover, delivery in accordance with Contract Data Requirement List (CDRL) DD Form 1423, sequence number **A007**. The film shall be placed in film envelopes or sleeves. Radiographic film shall be placed into an appropriate shipping container that will not damage the film. The film envelopes shall be placed in either a fiberboard, cardboard, or wooden box. X-rays or N-ray film shall not be placed directly into a shipping container (i.e. FedEx or UPS box). X-ray or N-ray film shall not be rolled up and placed in a shipping tube. The film should be flat, and not folded, bent, or otherwise mutilated.

18. All radiographic images shall be retained by the Government. All radiographic images shall display a permanent identification of the following information:

- ▶ Item Nomenclature and DODIC
- ▶ Complete Lot Number
- ▶ Complete Contract Number
- ▶ Date of radiograph
- ▶ Government Drawing or Part Number
- ▶ Span of Serial Numbers Displayed
- ▶ Name of radiographic facility

19. All documentation, i.e., packing slip, invoice, WAWF-RR, etc., accompanying the radiographic images shall clearly indicate, as a minimum, the following information:

- ▶ Contract Number
- ▶ National Stock Number (NSN)
- ▶ Lot Number
- ▶ Item Nomenclature
- ▶ Department of Defense Identification Code (DODIC)

20. Due to the critical nature and safety application of these items, the Contractor and the QAR are cautioned that it is mandatory to assure the correct identification and nomenclature are assigned for all item and shipping containers prior to shipment.

21. The Contractor shall have the ballistic test fixtures and/or capabilities to assure that the item being procured meets the specification requirements.

22. The Contractor shall provide upon Government request and at Contractor's own cost, copies of all certificates of compliance for all materials (mechanical properties, alloying) and all quality conformance tests (Hydrostatic, X-ray, Protective Finish, Magnetic Particle, Dye Penetrant).

SECTION E – AMMUNITION DATA CARDS AND MATERIAL INSPECTION AND RECEIVING REPORT (JAN 2005)

1. Under the direction of MIL-STD-1168, the Contractor shall furnish Ammunition Data Cards (ADC) for each shipment (test and production) as generated using the Worldwide Ammunition-data Repository Program (**WARP**). Preparation instructions are found in DI-MISC-80043B and on the **WARP** website in the WARP User's Manual. Additional guidance for completion of ADC can be found at:

<https://www.fbo.gov/spg/DON/NAVSUP/N000104/N00104CADPAD/packages.html>

All components and subassemblies shall be listed on the ADC per DI-MISC-80043B, paragraph 3, in accordance with DD 1423 sequence number **A008**. **A printed copy of the ADC from WARP shall be included with each Shipment.**

NOTE: The WARP system for Ammo Data Cards requires Contractors to hold a certificate to access the system and communicate with the secure DoD server.

The site to obtain ECA Access Certificate is: <http://www.identrust.com/warp/index.html>

The WARP login website is: <https://mhpwarp.redstone.army.mil>

2. Lot numbers for all explosive components and explosive subassemblies shall be in accordance with MIL-STD-1168 (Ammunition Lot Numbering and Ammunition Data Card), and shall be included in the components section of the Ammunition Data Card.

3. In accordance with the DFAR clause at 252.246-7000, Material Inspection and Receiving Report, the Contractor shall **WAWF Receiving Report (WAWF-RR)** at the time of each delivery (test and production). Preparation instructions are found in the DFAR Supplement Appendix F.

If the date cited in **WAWF-RR** is an estimated "ship date", the Contractor shall make distribution of a corrected **WAWF-RR** indicating the "actual ship date" within 24 hours after actual shipment. The following additional data shall be furnished on the **WAWF-RR**:

- a. Complete lot number, lot expiration date (month and year)
- b. Total lot size (consists of net, test, and investigative).
- c. Serial numbers of units shipped to consignee.
- d. Net quantity shipped to destination.
 - 1. Item quantity shipped to consignee
 - 2. Total item quantity shipped to consignee
 - 3. Item quantity due consignee

4. The Contractor shall make distribution of the ADC and **WAWF-RR** in accordance with the information provided in Section H no later than 24 hours after shipment. When Item 0001, 0002, etc. is indicated under the designator, the Contractor shall furnish all shipping documents for all SUBCLINs under that line item.

SECTION F - DELIVERIES OR PERFORMANCE

The following have been modified:

SECTION F

SECTION F – DELIVERIES OR PERFORMANCE (MAY 2013)

Unless otherwise indicated in this contract, accelerated delivery is desirable and acceptable. The addresses for the activities designated to receive supplies are listed below:

**LINE / SUBLINE ITEM
AND QTY**

SHIP TO:

MARK FOR:

0001AB	15 EA	SHIP IN PLACE	LOT ACCEPTANCE TEST
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**LINE / SUBLINE ITEM
AND QTY****SHIP TO:****MARK FOR:**

0002AB 20 EA 0003AB 20 EA 0004AB 100 EA 0005AB 8 EA 0006AB 13 EA (LAT)	(testing at contractor's facility)	SAMPLES (INCLUDE LOT NUMBER AND SERIAL NUMBERS IN WAWF)
0007AB 15 EA (LAT)	N00174 RECEIVING OFFICER NSWC IHEODTD EXPLOSIVE SCALES FACILITY 5021 Safe Haven Way Indian Head MD 20640-5173	LOT ACCEPTANCE TEST SAMPLES Explosive Scales (BLDG 1103/1104) ATTN: CAD Test, Code R36 Ownership Code: 6
0001AC 3 EA 0002AC 6 EA 0003AC 6 EA 0004AC 12 EA 0005AC 6 EA 0006AC 2 EA 0007AC 3 EA (retains)	N00174 RECEIVING OFFICER NSWC IHEODTD EXPLOSIVE SCALES FACILITY 5021 Safe Haven Way Indian Head MD 20640-5173	Explosive Scales (BLDG 1103/1104) RETAIN SAMPLES ATTN: William Reed, x1617 Ownership Code: 3 Condition Code D
0001AD 58 EA 0002AD 91 EA 0003AD 74 EA 0004AD 519 EA 0005AD 16 EA	N00174 RECEIVING OFFICER NSWC IHEODTD EXPLOSIVE SCALES FACILITY 5021 Safe Haven Way Indian Head MD 20640-5173	Explosive Scales (BLDG 1103/1104) NAVY STOCK & ISSUE, COG 2E FY16 PAN MC OWNERSHIP CODE: 5
0004AE 30 EA	MAPAC: DSPX00 SUPP ADD: DZWPAP	MAPAC: DSPX00 SPANISH AIR FORCE CLAEX BASE AEREA DE TORREJON 28871 TORREJON DE ARDOZ MADRID SPAIN FMS Case: SP-P-PAR Requisition: PSPX94-5057-6029
0006AD 70 EA	SUPP ADD: DZ2CAP MAPAC: DTK002 FMS Case:TK-D-CAP	MAPAC: DTKA00 FMS Case: TK-D-CAP Reqn: DTKA8450857622 F2DCDE6032G101 L/I: 001
0006AE 4 EA	SUPP ADD: DZ2QBS MAPAC: DGR002 FMS Case: GR-D-QBS	MAPAC: DGRQ00 FMS Case: GR-D-QBS Reqn: DGRQ8Z51265000 F2DCDE6032G101 L/I: 003
0007AD 16 EA	SUPP ADD: DZ2QBS MAPAC: DGR002 FMS Case: GR-D-QBS	MAPAC: DGRQ00 FMS Case: GR-D-QBS Reqn:DGRQ8Z30727635 F2DCDE6032G102 L/I: 001

NOTE: The above Mark For information is to be noted on the WAWF-RR for each applicable subline item.

NOTE 2: The Contractor shall provide an advanced Report of Shipment (REPSHIP) per clause 52.247-68 to the consignee no later than 24 hours prior to the shipment arrival, and for ammunition shipments no later than two hours after shipment departure. A (REPSHIP) shall include all the following data in accordance with the attached REPSHIP Instructions.

CAD/PAD ADDITIONAL NOTES:

- a. A WAWF-RR shall be furnished for each lot of test samples shipped.
- b. The following data shall be furnished on the WAWF-RR shipping document.
 1. Lot Number
 2. Lot Size Total (consists of net, test and investigative)
 3. Net quantity shipped to consignee
 - a. Item quantity shipped to consignee
 - b. Total item quantity shipped to consignee
 - c. Item quantity due consignee
 - d. GBL and method of shipment
 4. Test units - lot size represented by number of test units forwarded for test. (Total test units equals test samples plus investigative or retained samples.)
 5. The WAWF-RR shall be marked as applicable, i.e., "First Article Test Sample," "Lot Acceptance Test Sample," "Production M/F Stock and Issue" and/or other mark for (M/F) instructions contained in this section.

SECTION F – FOREIGN MILITARY SALES (FMS) SHIPMENTS (FEB 2006)

The Cognizant DCMA Transportation Office shall forward copies of the Notice of Availability for all FMS shipments to the activities listed below:

COMMANDER NSWC IHEODTD FAX: 301-744-6699 **ATTN:** CODE: [E21EG](#)

(End of Summary of Changes)