

**TRAINING SUPPORT PACKAGE (TSP)**

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<b>TSP Number/Title</b>	55B40B05 Prepare Surveillance Samples for Shipment
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<b>Task Number(s)/ Title(s)</b>	093-400-4283 Prepare Surveillance Samples for Shipment
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<b>Effective Date</b>	21 August 1998
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<b>Supersedes TSP(s)</b>	MP-08/B 645-55B40 MP-09/B 645-55B40
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<b>TSP User</b>	USAOMMCS, Redstone Arsenal, Alabama and Accredited Ordnance TASS Battalion
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<b>Proponent</b>	US Army Ordnance Missile and Munitions Center and School, Munitions Training Department, Redstone Arsenal, AL 38597-6970
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<b>Comments/ Recommendations</b>	Send comments and recommendations directly to: US Army CASCOM Training Directorate ATTN: ATCL, AO (Mr. Roy King) Bldg. 1109, 401 1st Street Fort Lee, VA 223801-1713 (e-mail Kingr1@Lee-dns1.army.mil) DSN: 539-1129, Commercial: 804-765-1129
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<b>Foreign Disclosure Restrictions</b>	If Allied students are scheduled to attend this class, coordination with Security Division (ATSK-AS) is required to determine if the information can be released to Allied students.
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**PREFACE**

**Purpose**

This training support package provides the instructor with a standardized lesson plan for presenting instruction for:

LESSON TITLE:	Prepare Surveillance Samples for Shipment
CONDITIONS:	In a classroom environment and given: SB 742-1, Materiel Release Order, DA Form 984-R, DA Form 3022-R, Inert Ammunition Samples, CFR 49, TM 38-250 and applicable ammunition supply bulletins
STANDARD:	Correctly select the quantities of munitions IAW SB 742-1 and the item SB. Ensure that all samples, packaging, and markings meet Department of Transportation standards and that all documentation is completed correctly.

**This TSP  
Contains**

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(21 August 1998)

**SECTION I. ADMINISTRATIVE DATA**


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<b>All Courses Including this Lesson</b>	<u>COURSE NUMBER(S)</u>	<u>COURSE TITLE(S)</u>
	645-55B40	Ammunition Specialist, ANCOG

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<b>Task(s) Taught or Supported</b>	<u>TASK NUMBER</u>	<u>TASK TITLE</u>
	093-400-4283	Prepare Surveillance Samples for Shipment

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<b>Reinforced Task(s)</b>	<u>TASK NUMBER</u>	<u>TASK TITLE</u>
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**Academic Hours** The academic hours required to teach this lesson are as follows:

	<u>ADT HOURS/METHOD</u>
Conference	1.0 / CO
Practical Exercise	1.0 /PE2
<hr/>	
Total hours	2.0

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<b>Test Lesson Number</b>		<u>Hours</u>	<u>Lesson No.</u>
	Testing:	3.0 TE2	55B40B10
	Review of test results:	1.0 CO	55B40B11

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<b>Prerequisite Lesson(s)</b>	<u>LESSON NUMBER</u>	<u>LESSON TITLE</u>
	55B40B01	Surveillance Operations
	55B40B02	Inspect Ammunition Operations for Safety
	55B40B03	Inspect Munitions Maintenance Facilities
	55B40B04	Maintenance Operations

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**Clearance and Access**

Unclassified - If Allied students are scheduled to attend this class, coordination with Security Division (ATSK-AS) is required to determine if the information can be released to Allied students.

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**References Required**

<u>Number</u>	<u>Title</u>	<u>Date</u>	<u>Additional Information</u>
SB 742-1	Ammunition Surveillance Procedures	APR 98	

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**Related**

CFR 49  
TM 38-250

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**Student Study Assignments**

None

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**Instructor Requirements**

One instructor

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**Additional Support Personnel Requirements**

None

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**Equipment Required**

Overhead Projector  
Inert Munitions

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**Materials  
Required**

INSTRUCTOR MATERIALS: Viewgraphs 55B40B05 VG#1 - VG#6

STUDENT MATERIALS: Practical exercise worksheet 55B40B05-PE2

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**Classroom,  
Training Area,  
and Range  
Requirements**

One 30-person classroom

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**Ammunition  
Requirements**

None

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**Instructional  
Guidance**

Before presenting this lesson, instructors must thoroughly prepare by studying this lesson and identified reference material.

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**Proponent  
Lesson Plan  
Approvals**

<u>Name</u>	<u>Rank</u>	<u>Position</u>	<u>Date</u>
_____			
_____			
_____			
_____			
_____			

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**SECTION II. INTRODUCTION**

Method of instruction: CO  
 Instructor-to-student ratio: 1:12  
 Time of instruction: 0.1 hours

**Motivator**                      Good morning/afternoon, class. I am \_\_\_\_\_. I will be your primary instructor for this lesson. As an ammunition inspector, it is your responsibility to ensure that samples prepared for shipment are properly selected, packed, marked, and documented. A surveillance test will serve no purpose if the test is conducted using the wrong munitions.

**Terminal Learning Objective**                      Note: Inform the students of the following terminal learning objective requirements.  
 At the completion of this lesson, you (the student) will:

<b>ACTION:</b>	Prepare Surveillance Samples for Shipment.
<b>CONDITIONS:</b>	In a classroom environment and given: SB 742-1, Materiel Release Order, DA Form 984-R, DA Form 3022-R, Inert Ammunition Samples, CFR 49, TM 38-250 and applicable ammunition supply bulletins.
<b>STANDARD:</b>	Correctly select the quantities of munitions IAW SB 742-1 and the item SB. Ensure that all samples, packaging, and markings meet Department of Transportation standards and that all documentation is completed correctly.

**Safety Requirements**                      None

**Risk Assessment Level**                      Low

**Environmental Considerations**                      None

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**Evaluation**                      On a written end-of-annex examination the student must score a minimum of 70 percent to achieve a GO.

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**Note:**                              **Show VG01 (Lesson Title).**

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**Instructional Lead-in**                      Certain munitions must be periodically function tested. Not many storage installations have the facilities or equipment required to conduct the test. This means that munitions must often be sampled at a storage installation and the samples shipped to an ammunition test facility for testing.

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## SECTION III. PRESENTATION

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1. Learning Step/Activity 1: Describe ammunition surveillance by testing.

Method of instruction: CO

Instructor-to-student ratio: 1:12

Time of instruction: 0.4

Media: Viewgraphs

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**a. Ammunition surveillance by testing.** (SB 742-1, paragraph 3-1)

- (1) Tests are performed at designated storage installations, ammunition test facilities, and laboratories.
- (2) The test is performed IAW the SB or ammunition surveillance test procedures for the specific item.

**b. Centralized Control Function Test Program (CCFTP).** (SB 742-1, paragraph 3-3)

- (1) Function testing is accomplished under a centralized control program managed by IOC, Quality Assurance and Assessment Directorate.
- (2) The storing instructions will be notified annually by the IOC of the lots selected for testing.
- (3) Ammunition lots should be in CC-A at the time of the test.
- (4) All sample selections and preparation of samples for shipment to test facilities will be selected by or under the supervision of a quality assurance specialist (ammunition surveillance) (QASAS).
- (5) IOC, Quality Assurance and Assessment Directorate will request samples and direct shipment to the designated test facility. You will receive a material release order (MRO) that authorizes the shipment of samples and lists the items by NSN, Department of Defense Identification Code (DODIC), lot number, quantity, and condition code; and specifies a required delivery date.
- (6) If the lots requested are not available, the storage installation will furnish IOC Quality Assurance and Assessment Directorate a list of possible substitute lots from items of the same DODIC and lot series.



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**Note:** **Show VG02 (Sample Selection).**

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- c. Sample Selection.** All samples will be selected by or under the supervision of a QASAS. The IOC Quality Assurance and Assessment Directorate will request samples and direct shipment to a designated test facility.
- (1) If the lots requested are not available, the storage installation will furnish IOC Quality Assurance and Assessment Directorate a list of possible substitute lots from items of the same DODIC and lot series.

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**Note:** **Show VG03 (DA Form 3022-R (complete) Army Depot Surveillance Record (AFTER Block 3)).**

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- (2) The MRO authorizing the shipment of samples will list items by NSN, DODIC, lot number, quantity, and condition code. The MRO will also specify RDD.
  - (3) Samples will be randomly selected from the lot according to the guidance contained in individual SBs for that item. Samples will be inspected at the time of selection. If selected samples are inspected as part of a periodic (or equivalent) inspection, they will not be replaced if found to contain non-hazardous defects. However, if critical or hazardous conditions are noted, the affected samples will not be shipped. Any defects/unusual conditions noted will be noted on the DSR card.
- d. Preparation.** Box markings will be checked for legibility and, if necessary, markings will be made legible. The packing box must be marked to indicate items and lot numbers shipped therein. Packaging and marking must meet the standards of Title 49 CFR for hazardous materiel shipment.
- (1) A report of shipment (REPSHIP) of samples will be furnished the designated test facility organization identified on the MRO and to IOC, surveillance office.
  - (2) Hermetically sealed containers, waterproof bags, lead foil envelopes, etc. (that would be opened for an inspection conducted in conjunction with sample selection) will not be opened on samples requiring a wet phase test or the sealed container by the CCFTP SB. (SB 742-1, paragraph 3-3d(6))
    - (a) The visual inspection and wet phase test of the sealed container is specified by the SB. When quantities permit, only serviceable sealed containers (unopened containers without punctures, tears, etc.) will be included in the test sample.
    - (b) If substitute samples are selected because original sample containers are defective, note this action on the DSR Card.

- (c) One end or side of each shipping container will be painted white and stencil in black the words “FOR SURVL TEST CCFTP FY\_\_\_.” The type of shipping container used must comply with Title 49 CFR.
  - (d) Shipping documents must be annotated “FOR SURVL TEST CCFTP FY\_\_\_.”
- 

2.

Learning Step/Activity 2: Describe the Small Caliber Stockpile Reliability Program (SCSRP) and Centralized Trace Test Program (CTTP) for small arms ammunition (SAA). (Reference SB 742-1 paragraphs 3-2)

Method of instruction: CO

Instructor-to-student ratio: 1:12

Time of instruction: 0.3 hours

Media: Viewgraphs

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**Note:** Show VG04 (SCSRP and CTTP).

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- a. **Small Caliber Stockpile Reliability Program (SCSRP).** SCSR testing of SAA will be accomplished under a centralized control program managed by IOC Quality Assurance and Assessment Directorate. IOC will annually distribute a list of lots nominated for testing. IOC should be notified concerning availability of candidate lots. Appropriate management controls must be established to ensure program execution.
  - (1) The storage installation surveillance organization will monitor shipping actions to ensure arrival of surveillance samples at the test facility on or before the required delivery date (RDD).
  - (2) Selection and preparation of the SCSR samples for shipment to a test facility will be as follows:
    - (a) Samples are to be selected to assure proper representation of the lot.
    - (b) Ammunition lots should be in CC-A at the time of test. To ensure that the nominated lot has had no significant change since the last inspection, all lots with inspection intervals expiring prior to the RDD for the samples will undergo a periodic inspection prior to or during sample selection.
    - (c) Shipment of two or more lot samples within one shipping container is permissible, provided each lot sample is fully identified and separated. Different models, types, and calibers are also permissible within the same shipping container, provided positive identification of samples is maintained.

- (d) The correct NSN and DODIC for the pack represented by the sample will be stenciled on the outer packing box(es) and must agree with the NSN-DODIC shown on the shipping documents. Shipping documents and containers will be annotated "For Surv Test FY\_\_\_ SCSRP."
  - (e) Samples will be maintained on stock records under the NSN-DODIC of the functional lot.
  - (f) The sample size required for SAA surveillance tests will be furnished with the request for samples. It is permissible to exceed the sample size by shipping full metal containers in sufficient quantity to provide the required sample. It is not necessary to delink and repack samples
  - (g) Candidate lot test samples at the installation will be assigned CC-D and obligated for shipment. The material release order (MRO) for shipment of test samples to the test facility will normally be issued by IOC, SMCA Center.
  - (h) One end or side of the shipping container will be painted white and stenciled in black. The type shipping container used must comply with Title 49 CFR.
  - (i) Munitions in Condition Code H, J, or N will not be furnished for surveillance test unless specifically requested.
- (3) Trace tests for SAA tracer munitions will be performed in accordance with SB 742-1305-94-20.

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**Note:**                    **Show VG05 (Functional Codes).**

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- b. Functional Codes (FC).** The codes described herein apply to all conventional and chemical munitions included within the CCFTP.
- (1) FC-A. Functionally serviceable and performs essentially equivalent to design intent for service use.
  - (2) FC-B. Functionally serviceable and completely satisfactory for service use. Although somewhat below FC-A in overall performance, the item lot is not sufficiently impaired to warrant reconditioning or demilitarization.

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**Note:** A lot tested and evaluated as FC-A or B, based on functional performance characteristics, is functionally serviceable for unrestricted SMCA issue and use unless there is a specific stipulation qualifying its use in the assignment of FC-B (restricted to training use only, etc.).

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- (3) FC-D. Markedly inferior to FC-B in functional performance. Issue would be justified only in an emergency, and the item should, as determined by the commodity command, be demilitarized, renovated, or used as priority for training to preclude loss of assets.
  - (4) FC-J. Lot considered to be hazardous for use due to a critical functional defect or malfunction encountered during testing, training, or combat.
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**Note:** **Check on student learning.**

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**QUESTION:** Who will normally issue the MRO for shipment of test samples to the test facility?

**ANSWER:** IOC, SMCA Center. (SB 742-1, paragraph 3-2b(7))

**QUESTION:** Can two or more lot samples be shipped in one shipping container?

**ANSWER:** Yes, provided each lot sample is fully identified and separated. (SB 742-1, paragraph 3-2b(3))

**QUESTION:** What color must the end/side of the sample box(es) be painted?

**ANSWER:** White. (SB 742-1, paragraph 3-2b(8))

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3. Learning Step/Activity 3: Practical Exercise

Type of Instruction: PE2

Instructor-to-Student Ratio is: 1:12

Time of instruction: 1.0 hour

Media: None

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**a. Directions to Instructor:**

- (1) Ensure each student has a copy of the Practical Exercise Worksheet 55B40B05-PE2.
- (2) Inform students of directions listed below.
- (3) Provide assistance as required.
- (4) Critique the exercise upon conclusion.

**b. Directions to Students:**

- (1) The purpose of this practical exercise is for you to demonstrate how well you have retained the material we have covered in this lesson.
- (2) Talking between students is not allowed during the practical exercise.
- (3) Raise your hand for assistance, if needed.
- (4) Using the reference material provided answer the questions and cite the reference where you found the answer.
- (5) You have 50 minutes to complete this Practical Exercise.

## SECTION IV. SUMMARY

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**Note:**

**Show VG06 (Summary).**

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Method of instruction: CO.  
Instructor-to-student ratio: 1:12  
Time of instruction: 0.1 hour

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**Review/  
Summarize  
Lesson**

During this lesson, we have discussed how to inspect ammunition test samples prepared for shipment.

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**Check on  
Learning**

Determine if students have learned the material presented by:

- a. Soliciting student questions and explanations.
  - b. Asking questions and getting answers from the students.
  - c. Correcting student misunderstandings.
- 

**Transition to  
Next Lesson**

Your next lesson will be on processing ammunition reports.

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## SECTION V. STUDENT EVALUATION

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**Testing Requirements**      Upon completion of this annex, your performance will be evaluated through a comprehensive end-of-annex examination.

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- Feedback Requirement**
- a.      Schedule and provide feedback on the evaluation and any information to help answer students' questions about the test.
  - b.      Provide remedial training as needed.
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**Note:**      Rapid, immediate feedback is essential to effective learning.

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## Practical Exercise Work Sheet

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(STUDENT NAME) (RANK) (CLASS) (DATE)

1. Who has the authority to request samples and direct shipments of samples to a test facility?

**ANSWER:**

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**REFERENCE:**

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2. What action must be taken by the storage installation if the lot or lots requested are not available?

**ANSWER:**

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**REFERENCE:**

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3. How are trace tests performed for SSA tracer munitions?

**ANSWER:**

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**REFERENCE:**

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4. What items must be listed on the MRO that authorizes a shipment of samples?

**ANSWER:**

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**REFERENCE:**

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5. You are inspecting small arms munitions prepared for shipment, as a test sample to a test facility. The ammunition is being tested as a part of the Small Caliber Stockpile Reliability Program. What must be stenciled on the white painted side of the box?

**ANSWER:**

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**REFERENCE:**

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6. Can small arms munitions in condition code H, J, or N be furnished for surveillance tests? (Explain your answer.)

**ANSWER:**

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**REFERENCE:**

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7. In what condition code will candidate lot test samples at the installation be placed?

**ANSWER:**

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**REFERENCE:**

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8. Can more than one lot sample of small arms munitions be packed in the same shipping container? (Explain your answer.)

**ANSWER:**

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**REFERENCE:**

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9. You have been instructed to ship test samples of 30mm munitions to a test facility. Can they be shipped in a linked configuration?

**ANSWER:**

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**REFERENCE:**

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10. During the testing of G881, you find a critical defect. Who must you notify?

**ANSWER:**

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**REFERENCE:**

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## SOLUTION SHEET

1. ANSWER: IOC, Quality Assurance and Assessment Directorate.  
REFERENCE: SB 742-1, paragraph 3-3d(1).
2. ANSWER: The storage installation will furnish IOC, Quality Assurance and Assessment Directorate a list of possible substitute lots from the same DODIC and lot series.  
REFERENCE: SB 742-1, paragraph 3-3d(1).
3. ANSWER: According to SB 742-1305-94-20.  
REFERENCE: SB 742-1, paragraph 3-2c.
4. ANSWER: The MRO will list items by NSN, DODIC, lot number, quantity, and condition code, RDD.  
REFERENCE: SB 742-1, paragraph 3-3 d(2).
5. ANSWER: "FOR SURV TEST FY\_ SCSRP".  
REFERENCE: SB 742-1, paragraph 3-2b(4).
6. ANSWER: Yes, but only when specifically requested.  
REFERENCE: SB 742-1, paragraph 3-2 b(9).
7. ANSWER: CC-D  
REFERENCE: SB 742-1, paragraph 3-2 b(7).
8. ANSWER: Yes, providing each lot is fully identified and separated.  
REFERENCE: SB 742-1, paragraph 3-2b(3).
9. ANSWER: Yes  
REFERENCE: SB 742-1, paragraph 3-2b(6).
10. ANSWER: The QASAS in charge.  
REFERENCE: SB 742-1, paragraph 3-3f(3).

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