

STUDENT SET Book I (Non-Resident) (645-55B40-002)

1. Student Guide Introduction.

a. The student guide is provided for each student attending the 55B40 TATS course. Some MOS specific lessons have been designated as non-resident and are to be completed by the student during the months of IDT and prior to attendance of the ADT phase. The ADT phase is primarily hands-on training that relates specifically to the MOS. The student set of books is divided up as shown below, and the student guide front matter is provided in each book. Become familiar with its content and bring it with you to ADT.

- **STUDENT SET Book I (Non-resident):** Contains Annex A, Annex B, and Annex C non-resident lessons, associated practical exercises and solutions, and required supplemental reading material.
- **STUDENT SET Book II (ADT):** Contains Annex A, Annex B, and Annex C ADT lessons, practical exercise worksheets, and handouts.

Note: The student will receive Student Set Books II at the ADT Location.

b. This guide provides you with an explanation of testing procedures, the course map, and an outline showing the preferred sequence of classes for the applicable phase/annex of instruction.

c. The U.S. TASS presenting this training will furnish you with a copy of the training schedule for this course. It is recommended that you post the schedule within this guide for your ready reference.

2. Administrative

a. This course is taught as a combination of individual, self-paced instruction, instructor-led practical exercises, and performance examinations conducted during ADT. The student uses Student Set Books I and II to accomplish the training objectives. He/she may work without supervision and without any further references or support materials or under the supervision of a Reserve Component Training Instructor (RCTI).

b. Students should address technical questions concerning this course material to their Reserve Unit's Training NCO or RCTI. If the Training NCO or RCTI, as appropriate, cannot directly provide a response, he/she will contact the course proponent for comment resolution. Once questions are resolved, the Training NCO or RCTI will provide resolution to the students.

c. General content questions and lesson/course feedback should be submitted via the Student Feedback Report found in each Student Set Booklet. Students should complete the Student Feedback Reports and return them to their unit Training NCO or RCTI.

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d. During ADT, progress of the student will be measured by his/her ability to perform Practical Exercises of tasks as they are trained before going on to the next task or series of tasks. Retraining and retesting will be a continuous requirement of the instructor to ensure student proficiency. Written examinations scheduled throughout the course represent testing of the soldier's knowledge and understanding of the tasks within each annex.

3. Student Evaluation Procedures

a. Testing of students to assess and ensure proficiency in MOS tasks is a requirement for course completion. The course includes the following methods of evaluating the students' performance of the learning objectives:

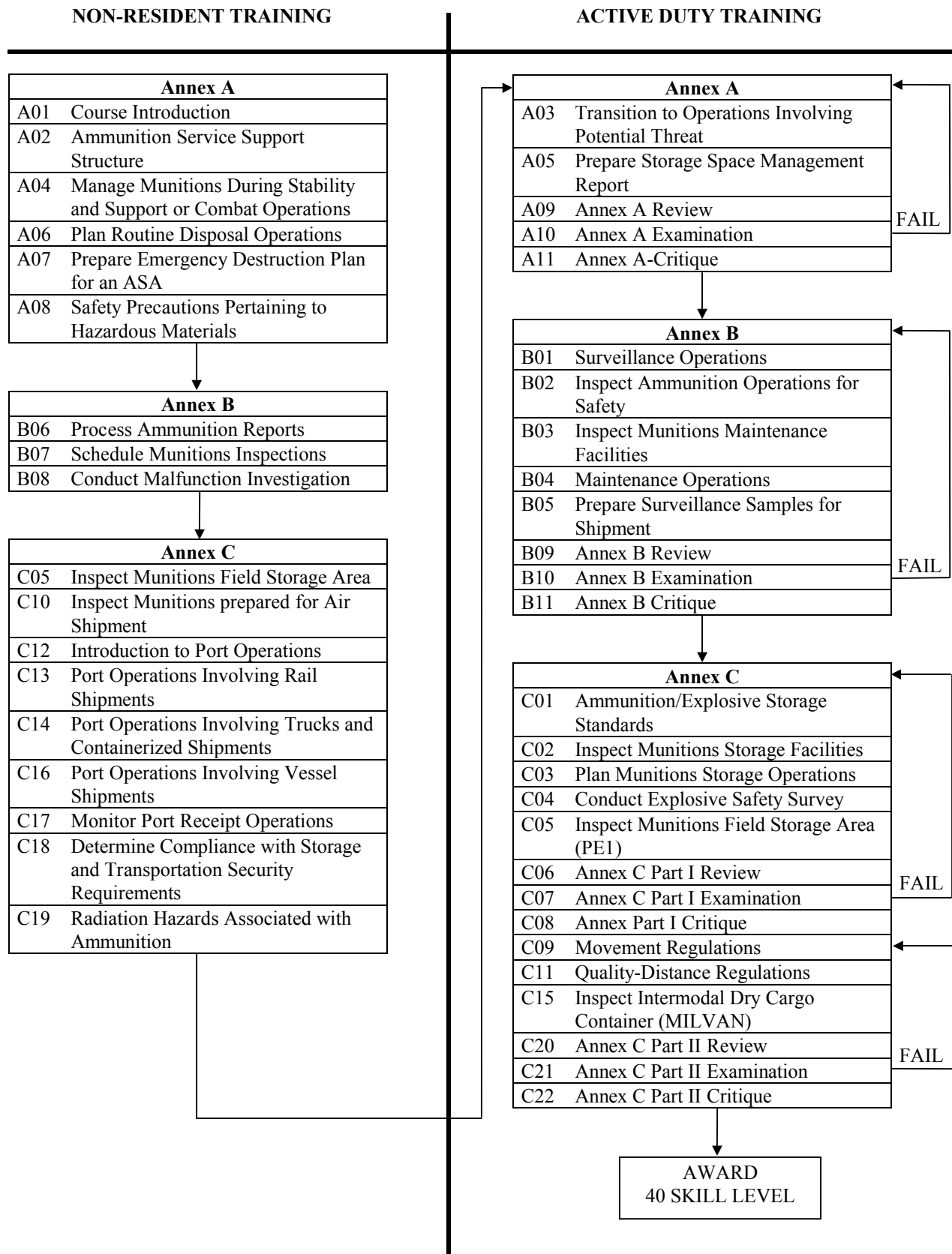
(1) Practical Exercises are incorporated into the course POI to instill confidence in the student by having him/her demonstrate their ability to perform the task(s). These Practical Exercises can be either hardware or non-hardware specific.

(2) Written Examinations are given at the completion of each annex to ensure the soldier has acquired the knowledge and skills necessary to complete his/her mission. The instructor maintains formal records as a basis for certifying the student's successful completion of course requirements. Retesting may be on a case-by-case basis, but will occur at times other than the scheduled academic hours. A student may be formally retested if he/she achieves less than 70 percent on the test. All examination material must be regarded as sensitive and handled accordingly.

4. Progress Control Records

Two progress control documents will be used by the instructor to track individual student and class performance. Instructors will use these forms to track performance during each lesson, as well as to record the end-of-annex testing results.

Course Map



STUDENT SET Book I (Non-Resident) (645-55B40-002)

Lesson	Annex A Lesson Title	RC (Hours)	
		Non-resident	ADT
55B40A01	Course Introduction	1.0	
55B40A02	Ammunition Service Support Structure; Non-resident	5.0	
55B40A03	Transition to Operations Involving Potential Threat-ADT		4.0
55B40A04	Manage Munitions During Stability and Support or Combat Operations-Non-resident	6.0	
55B40A05	Prepare Storage Space Management Report-ADT		3.0
55B40A06	Plan Routine Disposal Operations-Non-resident	2.0	
55B40A07	Prepare Emergency Destruction Plan for an ASA-Non-resident	2.0	
55B40A08	Safety Precautions Pertaining to Hazardous Materials-Non-resident	2.0	
55B40A09	Annex A Review-ADT		1.0
55B40A10	Annex A Examination-ADT		3.0
55B40A11	Annex A-Critique-ADT		1.0
Totals		18.0	12.0

Lesson	Annex B Lesson Title	RC (Hours)	
		Non-resident	ADT
55B40B01	Surveillance Operations-ADT		8.0
55B40B02	Inspect Ammunition Operations for Safety-ADT		4.0
55B40B03	Inspect Munitions Maintenance Facilities-ADT		6.0
55B40B04	Maintenance Operations-ADT		8.0
55B40B05	Prepare Surveillance Samples for Shipment-ADT		2.0
55B40B06	Process Ammunition Reports-Non-resident	6.0	
55B40B07	Schedule Munitions Inspections-Non-resident	5.0	
55B40B08	Conduct Malfunction Investigation-Non-resident	5.0	
55B40B09	Annex B Review-ADT		1.0
55B40B10	Annex B Examination-ADT		3.0
55B40B11	Annex B Critique-ADT		1.0
Totals		16.0	33.0

STUDENT SET Book I (Non-Resident) (645-55B40-002)

Lesson	Annex C Lesson Title	RC	
		Non- resident	ADT
55B40C01	Ammunition/Explosive Storage Standards		16.0
55B40C02	Inspect Munitions Storage Facilities		3.0
55B40C03	Plan Munitions Storage Operations		5.0
55B40C04	Conduct Explosive Safety Survey		5.0
55B40C05	Inspect Munitions Field Storage Area	11.0	7.0
55B40C06	Annex C Part I Review		2.0
55B40C07	Annex C Part I Examination		2.0
55B40C08	Annex Part I Critique		1.0
55B40C09	Movement Regulations		8.0
55B40C10	Inspect Munitions prepared for Air Shipment	2.0	
55B40C11	Quantity-Distance Requirements		3.0
55B40C12	Introduction to Port Operations	2.0	
55B40C13	Port Operations Involving Rail Shipments	2.0	
55B40C14	Port Operations Involving Trucks and Containerized Shipments	3.0	
55B40C15	Inspect Intermodal Dry Cargo Container (MILVAN)		3.0
55B40C16	Port Operations Involving Vessel Shipments	4.0	
55B40C17	Monitor Port Receipt Operations	8.0	
55B40C18	Determine Compliance with Storage and Transportation Security Requirements	4.0	
55B40C19	Radiation Hazards Associated with Ammunition	2.0	
55B40C20	Annex C Part II Review		2.0
55B40C21	Annex C Part II Examination		4.0
55B40C22	Annex C Part II Critique		1.0
Totals		38.0	62.0

*All Annex exams are controlled materials and will be administered by the Training NCO or RCTI at the Reserve Center.

Student Questionnaire

Name: _____ Student No. _____

Date: _____ Unit: _____

Directions: Place a check for yes or no and answer questions.

1. Which lesson was the hardest for you? (Briefly explain)

2. Which lesson was the easiest for you? (Briefly explain)

3. Were you confused by directions for any steps in the lessons?

Yes: ____ No: ____ If yes, in which lesson(s) and step(s) did you have a problem(s)?

4. Did you find the reading level of this material:

Too difficult? ____

Too easy? ____

At the proper level? ____

5. Could you find the information you needed in the technical publications?

Yes: ____ No: ____ (Briefly explain) If no, in which lesson(s) and technical publication(s) did you have a problem(s)?

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6. Could you find the information you needed in the student instruction sheets?
Yes: ____ No: ____ (Briefly explain) If no, in which student instruction sheet(s) did you have a problem(s)?

7. What are your suggestions for improving this portion of the course?

8. REMARKS/ADDITIONAL COMMENTS:

Note: You have the option of not signing this critique sheet but do turn it in to your instructor.
(We need your response to assist us in developing the best curricula possible.)

Course Manager: When completed, mail to:

US Army CASCOM Training Directorate,
ATTN: ATCL, AO (Roy King)
Bldg 1109, 401 First Street
Ft. Lee, VA 23801-1713

55B40
Annex A
Lesson 01

Course Introduction



Tasks Supported

None

Supporting Reference Materials

None

Terminal Learning Objective

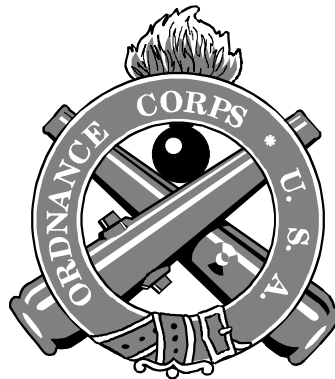
Action: Discuss the duties and responsibilities of the NCO.

Condition: In a classroom environment.

Standard: Students will gain an understanding of their duties and responsibilities while attending training and course completion requirements.

55B40
Annex A
Lesson 02

Ammunition Service Support Structure



Tasks Supported

None

Supporting Reference Materials

FM 9-6

Terminal Learning Objective

Action: Identify and describe the major elements in the Army's ammunition service support structure.

Condition: In a classroom environment.

Standard: State the major elements in the Army's ammunition service support structure in a theater of operations and describe the planning process for transition to combat operations, compute requirements for a theater of operations, and functions and responsibilities of the DMMC and DAO in accordance with FM 9-6 with a minimum of seventy percent accuracy.

55B40
Annex A
Lesson 04

**Manage Munitions During Stability and Support or
Combat Operations**



Tasks Supported

Manage Munitions During Stability and Support for Combat Operations
Compute Supply Rates
Monitor Ammunition Transfer Point Operations

Supporting Reference Materials

FM 9-6, FM 9-13

Terminal Learning Objective

Action: Manage Munitions During Stability and Support for Combat Operations.

Condition: In a classroom environment and given OPLOG Planner, Stockage Objectives, FM 54-2, FM 9-6, FM 9-13, FM 63-2, and FM 63-4.

Standard: Ensure approved stockage levels are maintained for each appropriate level within the theater of operations.

55B40

Annex A

Lesson 06

Plan Routine Disposal Operations



Tasks Supported

093-400-4267 - Plan Routine Disposal Operations

Supporting Reference Materials

DA PAM 385-64, DA PAM 738-750, FM 5-250, TM 9-1300-206

Terminal Learning Objective

Action: Plan Routine Disposal Operations.

Condition: In a classroom environment given AMCR 385-100 2, DA PAM 385-64, DA Form 2415, Depot Maintenance Work Requirement, FM 9-13, FM 5-250, and TM 9-1300-206.

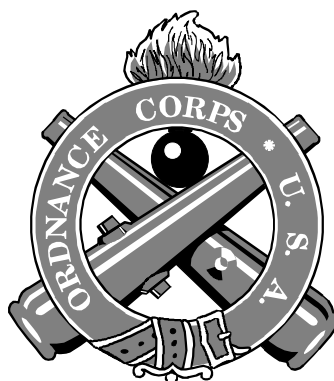
Standard: Plan routine disposal operations for ammunition in accordance with DA PAM 385-64 and TM 9-1300-206. Disposal operations must be planned so that all the ammunition is destroyed completely without causing injury to personnel or damage to equipment or the environment.

55B40

Annex A

Lesson 07

Prepare Emergency Destruction Plan for an ASA



Tasks Supported

093-400-4265 - Prepare Emergency Destruction Plan for an Ammunition Support Activity

Supporting Reference Materials

DA PAM 385-64, FM 5-250, FM 9-13, TM 9-1300-206

Terminal Learning Objective

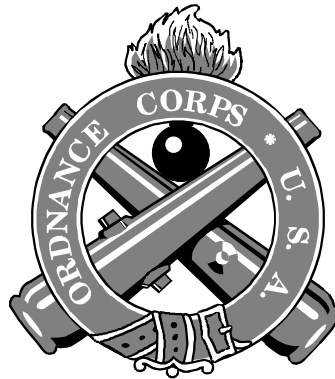
Action: Prepare Emergency Destruction Plan For An Ammunition Support Activity.

Condition: In a classroom environment given a layout of the ASA, Planographs, FM 9-13, FM 5-250, TM 9-1300-206, and DA PAM 385-64.

Standard: Prepare the emergency destruction plan to indicate the destruction priorities, methods, personnel, and equipment.

55B40
Annex A
Lesson 08

Safety Precautions Pertaining to Hazardous Materials



Tasks Supported

None

Supporting Reference Materials

DA PAM 385-64

Terminal Learning Objective

Action: Identify safety precautions pertaining to hazardous materials.

Condition: In a classroom environment, given DA PAM 385-64 and AMC-R 385-100.

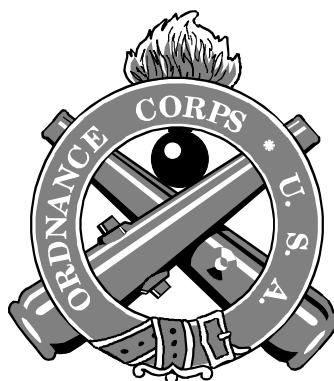
Standard: Identify safety precautions and first aid for hazards associated with hazardous materials and substances by correctly answering written questions with a minimum of seventy percent accuracy.

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Annex B

Lesson 06

Process Ammunition Reports



Tasks Supported

093-400-4284 - Process Ammunition Condition Reports, DA Form 2415 (ACR); Quality Deficiency Report, SF Form 368 (QDR); and Report of Discrepancy, SF Form 364 (ROD)

Supporting Reference Materials

DA PAM 738-750

Terminal Learning Objective

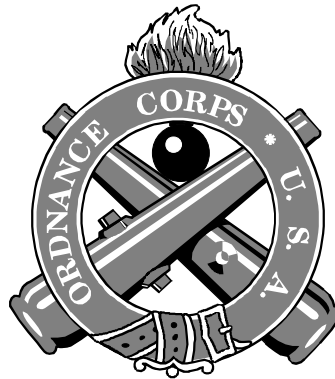
Action: Process the following Ammunition Reports: DA Form 2415 (ACR), Ammunition Condition Reports; SF Form 368 (QDR), Quality Deficiency Report; and SF Form 364 (ROD), Report of Discrepancy.

Condition: In a classroom environment given AR 725-50, DA PAM 738-750, DA Form 2415, SF 368, AR 735-5, SB 742-1, and SF 364.

Standard: All discrepancies on the forms must be detected. All forms must be completed, reviewed and processed correctly. Prepare a list of errors, correct forms and forward to proper command addressee.

55B40
Annex B
Lesson 07

Schedule Munitions Inspections



Tasks Supported

093-400-4285 - Schedule Munitions Periodic Inspections, Storage Monitoring, Receipt Inspection, and Initial Receipt Inspection

Supporting Reference Materials

SB 742-1

Terminal Learning Objective

Action: Schedule Munitions Periodic Inspections (PI), Storage Monitoring (SMI), Safety in Storage (SIS), Receipt Inspection (RI), and Initial Receipt Inspection (IRI).

Condition: In a classroom environment and given SB 742-1, a blank DA Form 3022-R, and AR 385-11.

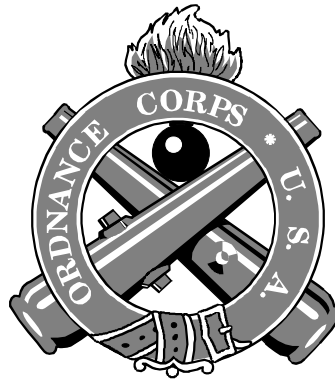
Standard: Correctly determine the types of inspections required and the time intervals for each type. Schedule inspections and plan the personnel, equipment, and transportation requirements. Maintain all inspection results and files correctly.

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Annex B

Lesson 08

Conduct Malfunction Investigation



Tasks Supported

093-400-4278 - Conduct Malfunction Investigation

Supporting Reference Materials

AR 75-1

Terminal Learning Objective

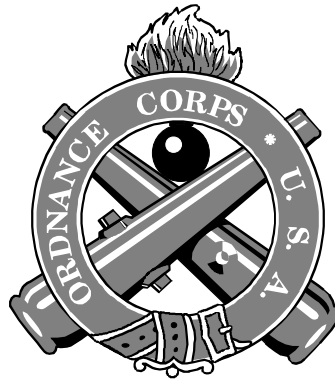
Action: Conduct Malfunction Investigation.

Condition: In a classroom environment and given a copy of an initial malfunction report, AR 75-1, a blank DA Form 4379, a blank DA Form 4379-1-R, and a blank Form 4508.

Standard: All malfunctions must be investigated and reported accurately in the time frame required in accordance with AR 75-1. Provide all information requested in the preliminary report and forward to appropriate agency. Correctly process an ACC change. Process detailed malfunctions report and forward within the time prescribed.

55B40
Annex C
Lesson 05

Inspect Munitions Field Storage Area



Tasks Supported

093-400-4276 - Inspect Munitions Field Storage Area

Supporting Reference Materials

TM 9-1300-206, FM 9-13

Terminal Learning Objective

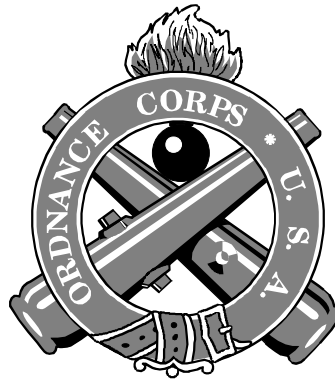
Action: Inspect Munitions Field Storage Area.

Condition: In a classroom environment given a site inspection report, inert munitions, FM 9-13, and TM 9-1300-206.

Standard: Inspect munitions field storage areas in accordance with FM 9-13 and TM 9-1300-206. Correctly record and report all deficiencies noted during the site inspection report.

55B40
Annex C
Lesson 10

Inspect Munitions Prepared for Air Shipment



Tasks Supported

093-400-4281 - Inspect Munitions Prepared for Air Shipment

Supporting Reference Materials

TM 38-250

Terminal Learning Objective

Action: Inspect Munitions Prepared for Air Shipment.

Condition: In a classroom environment and given notification for an air shipment, Material Release Order, TM 38-250, CFR 49, and DD Form 1387-2.

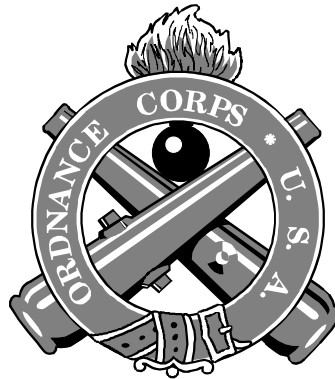
Standard: Ensure that all munitions and documents are accurately prepared for air shipment.

55B40

Annex C

Lesson 12

Introduction to Port Operations



Tasks Supported

093-400-4286 - Monitor Port Operations

Supporting Reference Materials

AR 55-355, CFR Title 49, FM 55-60, TM 9-1300-206

Terminal Learning Objective

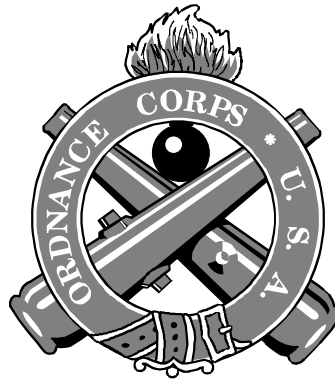
Action: Identify regulatory requirements pertaining to munitions management of port receipt, storage, and shipment operations.

Condition: In a classroom environment, given Handout CFR 49, TM 9-1300-206, AR 55-355, and FM 9-6.

Standard: The students will receive an overview and identify regulatory requirements pertaining to munitions management of port receipt, storage, and shipment operations.

55B40
Annex C
Lesson 13

Port Operations Involving Rail Shipments



Tasks Supported

093-400-4286 - Monitor Port Operations

Supporting Reference Materials

AR 55-355, CFR 49, TM 9-1300-206

Terminal Learning Objective

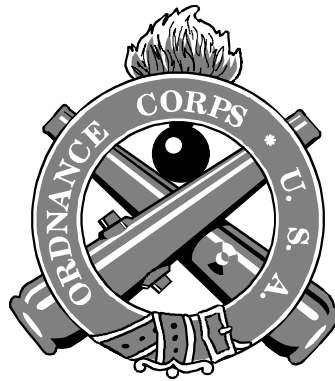
Action: Identify procedures for port operations involving rail shipment.

Condition: In a classroom, given Handout CFR 49, TM 9-1300-206, AR 55-355, and FM 9-6.

Standard: Identify the procedures used for conducting port operations involving rail shipments.

55B40
Annex C
Lesson 14

**Port Operations Involving Trucks and
Containerized Shipments**



Tasks Supported

093-400-4286 - Monitor Port Operations

Supporting Reference Materials

AR 55-355, MIL-HDBK 138A

Terminal Learning Objective

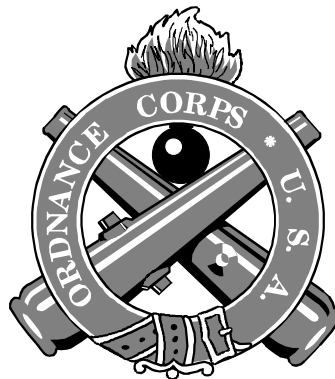
Action: Identify procedures for port operations involving trucks and containerized shipments.

Condition: In a classroom given Handout CFR 49, TM 9-1300-206, AR 5-355, and FM 9-6.

Standard: Identify the procedures used for conducting port operations involving trucks and containerized shipments.

55B40
Annex C
Lesson 16

Port Operations Involving Vessel Shipments



Tasks Supported

093-400-4286 - Monitor Port Operations

Supporting Reference Materials

AR 55-355, CFR 49, TM 9-1300-206

Terminal Learning Objective

Action: Identify procedures for port operations involving vessel shipment.

Condition: In a classroom environment, given extracted portions pertinent to port operations involving vessel shipments from AR 55-355, CFR 49, DA PAM 385-64, and TM 9-1300-206.

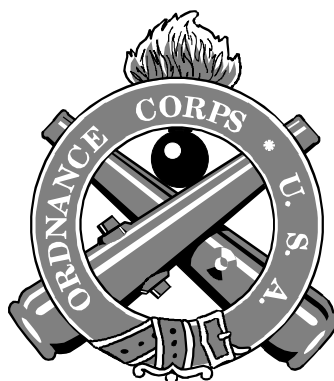
Standard: Identify the procedures used for conducting port operations involving vessel shipments.

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Annex C

Lesson 17

Monitor Port Receipt Operations



Tasks Supported

093-400-4286 - Monitor Port Operations

Supporting Reference Materials

CFR 49, TM 9-1300-206, DA PAM 385-64, MIL HDBK 138A
Joint Hazard Classification System

Terminal Learning Objective

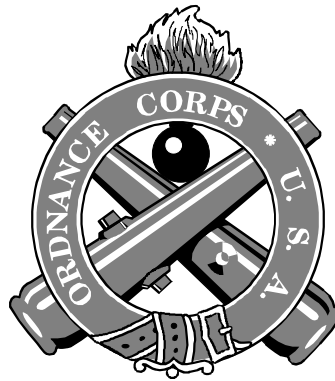
Action: Monitor Port Receipt Operations.

Condition: In a classroom environment, given AR 55-355, CFR 49, DA PAM 385-64, TM 9-1300-206.

Standard: The student will demonstrate ability to monitor port receipt operations in accordance with appropriate regulatory requirements by correctly solving written problems with 70 percent accuracy.

55B40
Annex C
Lesson 18

**Determine Compliance with Storage and
Transportation Security Requirements**



Tasks Supported

093-400-4277 - Determine Compliance with Storage and Transportation Security Requirements

Supporting Reference Materials

AR 190-11, AR 55-355, CFR 49

Terminal Learning Objective

Action: Determine Compliance with Storage and Transportation Security Requirements.

Condition: In a classroom environment given Notice of Shipment, Ammunition storage plan, Transportation plan for non-sensitive and sensitive ammunition items, CFR 49, and AR 190-11.

Standard: Correctly determine storage and transportation security requirements in accordance with CFR 49 and AR 190-11.

55B40
Annex C
Lesson 19

Radiation Hazards Associated with Ammunition



Tasks Supported

None

Supporting Reference Materials

SB 742-1

Terminal Learning Objective

Action: Identify radiation hazards associated with ammunition.

Condition: In a classroom environment, given Student Handout C09-H01, AR 55-355, FM 9-6, and TM 9-1300-206.

Standards: Receive an overview of the types of radiation hazards that are associated with ammunition.