

TRAINING SUPPORT PACKAGE (TSP)

TSP Number/Title 55B40C15 Inspect Intermodal Dry Cargo Container

Task Number(s)/ Title(s) None

Effective Date 21 August 1998

Supersedes TSP(s) MP-18C 645-55B40

TSP User USAOMMCS, Redstone Arsenal, Alabama and accredited Ordnance TASS Battalion

Proponent US Army Ordnance Missile and Munitions Center and School, Munitions Training Department, Redstone Arsenal, AL 35897-6970

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Foreign Disclosure Restrictions 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.

Preface

Purpose

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

LESSON TITLE:	Inspect Intermodal Dry Cargo Container (MILVAN)
CONDITION:	In an Ammunition Supply Activity, given MIL-HDBK 138(AR), Handout CFR 49, locally produced MILVAN Inspection Report, and intermodal dry cargo container.
STANDARD:	Inspect the container for serviceability, detect and note all deficiencies on a locally produced MILVAN Inspection Report

This TSP Contains

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(21 August 1998)

SECTION I. ADMINISTRATIVE DATA

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

Task(s) Taught or Supported	<u>TASK NUMBER</u>	<u>TASK TITLE</u>
	None	

Reinforced Task(s)	<u>TASK NUMBER</u>	<u>TASK TITLE</u>
	None	

Academic Hours The academic hours required to teach this lesson are as follows:

	<u>ADT HOURS/METHOD</u>
Practical Exercise	3.0 / PE1
<hr/>	
Total hours	3.0

Test Lesson Number		<u>Hours</u>	<u>Lesson No.</u>
	Testing:	4.0 TE2	55B40C21
	Review of test results:	1.0 CO	55B40C22

Prerequisite Lesson(s)	<u>LESSON NUMBER</u>	<u>LESSON TITLE</u>
	C14	Port Operations Involving Trucks and Containerized Shipments

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.

**References
Required**

<u>Number</u>	<u>Title</u>	<u>Date</u>	<u>Additional Information</u>
MIL HDBK 138A	Container Inspection Handbook for Commercial and Military Intermodal Containers	21 June 93	

Related

**Student Study
Assignments**

Review lesson C14

**Instructor
Requirements**

One instructor

**Additional
Support
Personnel
Requirements**

Assistant Instructor for each

**Equipment
Required**

Empty and partially loaded Intermodal Dry Cargo Container

**Materials
Required**

INSTRUCTOR MATERIALS: MIL HDBK 138A, 2-container inspection checklists.

STUDENT MATERIALS: Student Handout C09-H01 (CFR 49); MIL HDBK 138A, Practical Work Sheet

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

Rail Head

**Munitions
Requirements**

None

**Instructional
Guidance**

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

**Proponent
Lesson Plan
Approvals**

Name

Rank

Position

Date

SECTION II. INTRODUCTION

Method of Instruction

Method of instruction: PE1
 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 ammunitions inspector assigned to a surveillance position, you may be responsible for the inspection and certification of MILVANS. Your ability to perform the correct inspection procedures, detect, and record all deficiencies found will be an important factor in the safe use and serviceability of stocks on hand.

Terminal Learning Objective

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

ACTION:	Inspect Intermodal Dry Cargo Container (MILVAN).
CONDITIONS:	In an Ammunition Supply Activity, given MIL-HDBK 138(AR), Handout CFR 49, locally produced MILVAN Inspection Report, and intermodal dry cargo container.
STANDARD:	Inspect the container for serviceability, detect and note all deficiencies on a locally produced MILVAN Inspection Report

Safety Requirements

None

Risk Assessment Level

Low

Environmental Considerations

None

Evaluation

Written End of Annex Examination. The student must score a minimum of 70 percent to achieve a GO.

Instructional Lead-in

None

SECTION III. PRESENTATION

1. Learning Step/Activity 1: The students will complete a practical exercise on inspection of a Intermodal Dry Cargo Container.

Method of instruction: PE1
Instructor-to-student ratio: 1:12
Time of instruction: 2.8 hours
Media: None

a. Directions to Instructor.

- (1) Instructor will coordinate with ASP #1, Rideout Road, Redstone Arsenal, for use of intermodal dry cargo container (MILVAN) and area.
-

Note: Prior to conducting the practical exercise, the instructor will inspect the MILVAN and classify and record defects noted on the MILVAN container. This procedure is necessary as the item being inspected will have different defects each time the practical exercise is given. The students will be graded based on the instructor's inspection results.

- (2) Instructor will ensure transportation has been scheduled prior to class time.
(3) Instructor will issue one 55B40C15 Practical Exercise worksheet to each student.
(4) Instructor will answer/clarify student questions.

b. Arrangement of students, requirements, and materials.

- (1) Students will work individually or in teams depending on class size.
(2) Students will inspect an empty and partially loaded MILVAN.
(3) All materials will be provided by the instructor.

c. General plan of conduct of practical work.

- (1) All students will do their own work.
- (2) All inspection steps outlined in MIL-HDBK 138A and 55B40C15-PE1 will be followed.
- (3) Questions will be addressed to the instructor.

d. Directions to students.

- (1) Students will do their own work.
- (2) Students will complete PE within 140 minutes.
- (3) Students will follow all safety precautions.

e. Practical Work. See Practical Exercise

- (1) Inspect MILVAN for serviceability.
- (2) MILVAN inspection procedures will be performed as outlined in MIL-HDBK 138A and CFR 49.
- (3) Students will use the practical exercise inspection checklist to supplement MIL-HDBK 138A and CFR 49.

SECTION IV. SUMMARY

Method of instruction: PE1
Instructor-to-student ratio: 1:12
Time of instruction: 0.1 hours

**Review/
Summarize
Lesson**

During this lesson you completed a practical exercise reinforcing the material covered in lesson C14.

**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**

None

SECTION V. STUDENT EVALUATION

Testing Requirements Upon completion of this annex, your performance will be evaluated by an End of Annex Examination.

- 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.
-

Note: Rapid, immediate feedback is essential to effective learning.

PRACTICAL EXERCISE 55B40C15 - PE1

Title Inspect Intermodal Dry Cargo Container

Introduction Good morning/afternoon, class. I am _____. I will be your primary instructor for this practical exercise. (If new instructor)

Motivator This practical exercise will reinforce the materials covered in lesson C14.

Safety Requirements None

Risk Assessment Level Low

Environmental Considerations None

Evaluation End of Practical Exercise Critique.

Instructional Lead-in The purpose of this practical exercise is for you to demonstrate how well you have retained the information taught in lesson C14.

Resource Requirements Required References: Student Handout C09-H01 (CFR 49); MIL-HDBK 138A, this PE Work Sheet.

Equipment: Empty and partially loaded Intermodal Dry Cargo Container.

**Special
Instructions**

1. You have 140 minutes to complete the practical exercise.
 2. You may use all issued references.
 3. Direct any questions you may have to the instructor.
-

Procedures

Complete all requirements based on the given information in the practical exercise.

**Feedback
Requirements**

As each student proceeds through the inspection steps, on the spot corrections will be made. The steps outlined in MIL-HDBK 138A will be discussed and critiqued as each station is completed.

NAME	RANK	CLASS	DATE
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Inspect Intermodal Dry Cargo Container

PRACTICAL EXERCISE WORK SHEET

INSTRUCTION TO STUDENTS:

General Situation:

1. You are the operations sergeant for a munitions storage activity. You must inspect an intermodal dry cargo container. The student will complete all requirements with a 70 percent accuracy.
 - a. Empty MILVAN.
 - (1) Procedures.
 - (a) Inspect empty MILVAN.
 - (b) Record deficiencies on PE inspection checklist.
 - (2) The PE worksheet will be used to supplement MIL-HDBK 138A.
 - b. Partially loaded MILVAN.
 - (1) Procedures.
 - (a) Inspect partially loaded MILVAN.
 - (b) Record deficiencies on PE inspection checklist.
 - (2) The PE worksheet will be used to supplement MIL-HDBK 138A.
-

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Inspect Intermodal Dry Cargo Container Practice Exercise Sheet

END-OPENING CONTAINER INSPECTION CHECKLIST

DATE OF INSPECTION _____ ISO SERIAL NUMBER _____

INSPECTION LOCATION _____ CSC RE - INSPECTION DATE _____

COMPONENT OR ITEM _____ ACCEPT REJECT REMARKS (DEFICIENCIES)

1. MARKINGS & DATA PLATE

ISO MARKINGS			
CSC SAFETY APPROVAL			
MANUFACTURER'S DATA			
TIR, TCT & UIC APPROVALS *			

2. OVERALL CONFIGURATION

DIMENSIONS			
DISTORTION			
PROTRUSIONS			

3. DOOR END (REAR)

CORNER FITTINGS (4 each)			
CORNER POSTS (2 each)			
DOOR HEADER			
DOOR SILL			
DOOR PANELS			
HINGES			
HINGE PIN WELDS *			
LOCKING BARS			
LOCKING BAR MOUNTING BRACKETS			
CAMS			
CAM RETAINERS			
LOCKING HANDLES			
LOCKING HANDLE RETAINERS			
CUSTOMS CATCH *			
DOOR SEALS (GASKETS)			
RAIN GUTTER *			
J - BARS *			

4. CURB SIDE EXTERIOR

TOP SIDE RAIL			
BOTTOM SIDE RAIL			
FORKLIFT POCKETS *			
WALL PANELS			
WALL POSTS *			

5. FRONT END EXTERIOR

CORNER FITTINGS (4 each)			
CORNER POSTS (2 each)			
TOP END RAIL			
BOTTOM END RAIL			
WALL PANELS			
WALL POSTS *			

6. ROAD SIDE EXTERIOR

TOP SIDE RAIL			
BOTTOM SIDE RAIL			
FORKLIFT POCKETS *			
WALL PANELS			
WALL POSTS *			

7. ROOF EXTERIOR

CORNER FITTINGS APERTURES			
TOP SIDE RAILS			
TOP END RAIL			
DOOR HEADER			
ROOF PANELS			
REINFORCEMENT PLATES *			

8. UNDERSTRUCTURE

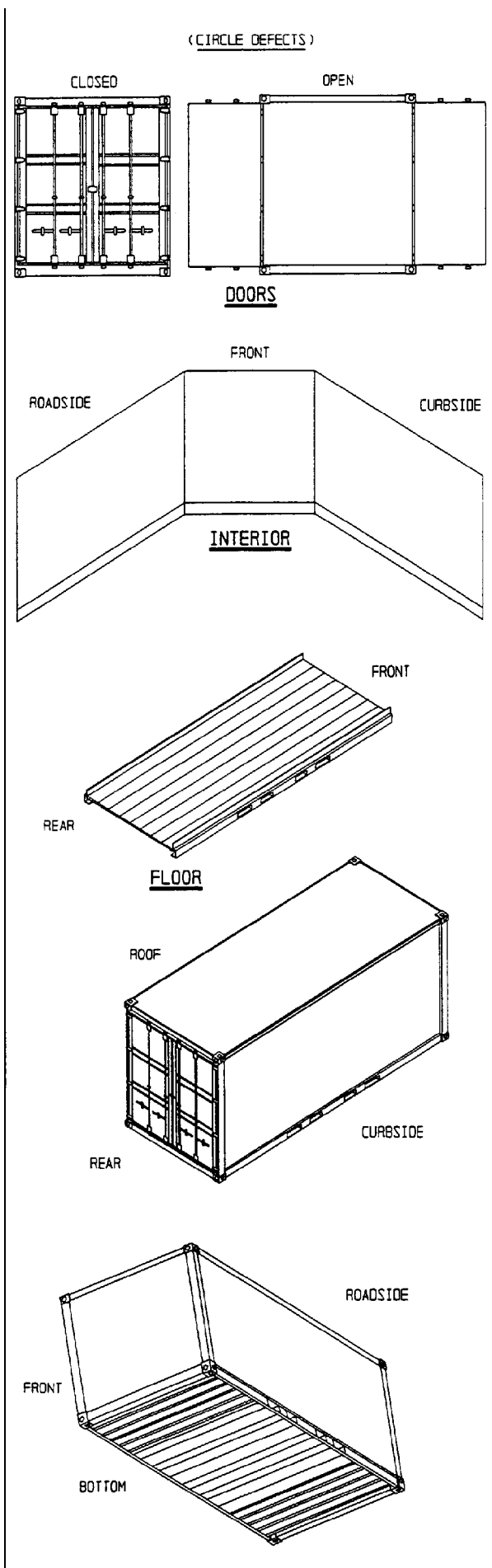
CORNER FITTING APERTURES			
CROSS MEMBERS			
FORKLIFT TUNNELS *			
SIDE RAILS			
END RAIL			
DOOR SILL			

9. INTERIOR

FLOORING			
FLOOR FASTENERS			
THRESHOLD PLATE *			
ROOF PANELS			
ROOF BOWS *			
WALL PANELS			
LINING *			
MECHANICAL RESTRAINT SYSTEM *			
LOAD BEARING SURFACES *			

NOTE: AN ITEM WITH AN ASTERISK (*) MAY OR MAY NOT BE RELEVANT.
MARK "NA" IN THE REMARKS COLUMN FOR ITEMS WHICH ARE NOT APPLICABLE.
ACCEPTED _____ REJECTED _____ NEW CSC RE - INSPECTION DATE _____

INSPECTOR: _____ (PRINT NAME)
_____ (SIGNATURE)



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Inspect Intermodal Dry Cargo Container Practice Exercise Sheet

END-OPENING CONTAINER INSPECTION CHECKLIST

DATE OF INSPECTION _____ ISO SERIAL NUMBER _____
 INSPECTION LOCATION _____ CSC RE - INSPECTION DATE _____

COMPONENT OR ITEM _____ ACCEPT REJECT REMARKS (DEFICIENCIES)

1. MARKINGS & DATA PLATE

ISO MARKINGS			
CSC SAFETY APPROVAL			
MANUFACTURER'S DATA			
TIR, TCT & UIC APPROVALS *			

2. OVERALL CONFIGURATION

DIMENSIONS			
DISTORTION			
PROTRUSIONS			

3. DOOR END (REAR)

CORNER FITTINGS (4 each)			
CORNER POSTS (2 each)			
DOOR HEADER			
DOOR SILL			
DOOR PANELS			
HINGES			
HINGE PIN WELDS *			
LOCKING BARS			
LOCKING BAR MOUNTING BRACKETS			
CAMS			
CAM RETAINERS			
LOCKING HANDLES			
LOCKING HANDLE RETAINERS			
CUSTOMS CATCH *			
DOOR SEALS (GASKETS)			
RAIN GUTTER *			
J - BARS *			

4. CURB SIDE EXTERIOR

TOP SIDE RAIL			
BOTTOM SIDE RAIL			
FORKLIFT POCKETS *			
WALL PANELS			
WALL POSTS *			

5. FRONT END EXTERIOR

CORNER FITTINGS (4 each)			
CORNER POSTS (2 each)			
TOP END RAIL			
BOTTOM END RAIL			
WALL PANELS			
WALL POSTS *			

6. ROAD SIDE EXTERIOR

TOP SIDE RAIL			
BOTTOM SIDE RAIL			
FORKLIFT POCKETS *			
WALL PANELS			
WALL POSTS *			

7. ROOF EXTERIOR

CORNER FITTING APERTURES			
TOP SIDE RAILS			
TOP END RAIL			
DOOR HEADER			
ROOF PANELS			
REINFORCEMENT PLATES *			

8. UNDERSTRUCTURE

CORNER FITTING APERTURES			
CROSS MEMBERS			
FORKLIFT TUNNELS *			
SIDE RAILS			
END RAIL			
DOOR SILL			

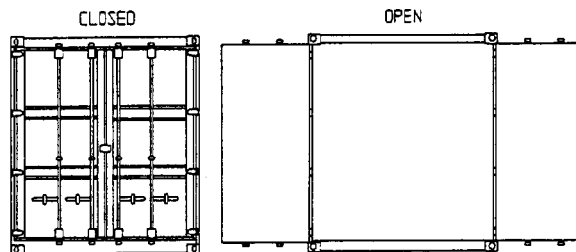
9. INTERIOR

FLOORING			
FLOOR FASTENERS			
THRESHOLD PLATE *			
ROOF PANELS			
ROOF BOWS *			
WALL PANELS			
LINING *			
MECHANICAL RESTRAINT SYSTEM *			
LOAD BEARING SURFACES *			

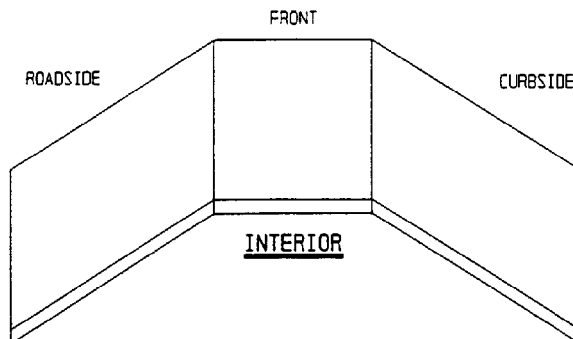
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 MARK "NA" IN THE REMARKS COLUMN FOR ITEMS WHICH ARE NOT APPLICABLE.
 ACCEPTED _____ REJECTED _____ NEW CSC RE - INSPECTION DATE _____

INSPECTOR: _____ (PRINT NAME)
 _____ (SIGNATURE)

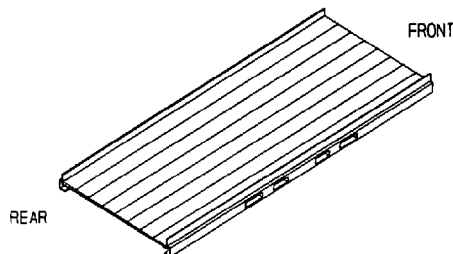
(CIRCLE DEFECTS)



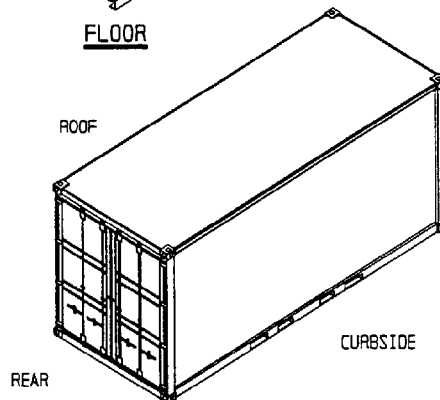
DOORS



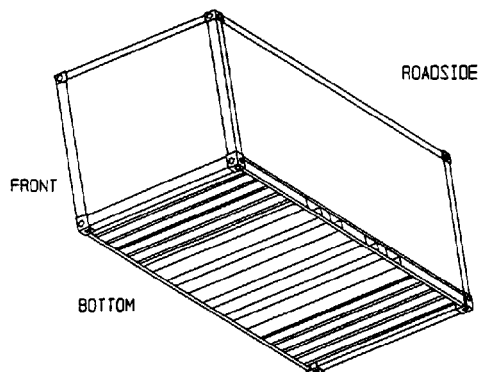
INTERIOR



FLOOR



ROOF



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MILVAN CERTIFICATE No. 1
Location _____

DATE _____

I hereby certify that I have this day personally inspected U.S. MILVAN #? and found it to be in a serviceable condition, with no holes, decayed spots, or protruding objects which might damage packages of explosive; also the floor and mechanical load bracing systems are in good condition.

Signature _____
Surveillance Inspector _____

MILVAN CERTIFICATE No. 2
Location _____

DATE _____

I hereby certify that I have this day personally inspected U. S. MILVAN #? and found it to be in a serviceable condition, with no holes, decayed spots, or protruding objects which might damage packages of explosive; also the floor and mechanical load bracing systems are in good condition.

Signature _____
Surveillance Inspector _____

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