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DEPARTMENT OF THE ARMY  
TACOM-Life Cycle Management Command  
New Equipment Training (NET)  
6501 E. 11 Mile Road  
Warren, MI 48397-5000

Operator New Equipment Training (NET)

Lesson 1: OPERATOR COURSE OVERVIEW

06 August 2013

SECTION I. ADMINISTRATIVE DATA

All Courses Including This Lesson	Course Number	Version	Course Title
		Draft	Operator New Equipment Training

Task(s) Taught(*) or Supported	Task Number	Task Title
	1	Operator Course Overview
	2	Safety
	3	Characteristics, Capabilities, and Features
	4	Controls and Indicators
	5	Preventive Maintenance Checks and Services (PMCS) (Before/During/After)
	6	Drive without a Load
	7	Operate with a Load
	8	Recovery/Towing/Transport
	9	Operator Troubleshooting
	10	Operator Maintenance Procedures

Academic Hours

The academic hours required to teach this course are as follows:

Hours/Methods  
7.9 hr. / Class  
5.6 hr. Demonstration  
23 hr Practical  
3 hr. Evaluation  
.5 hr Administrative

Total Hours: 40 hr 00 min

Clearance Access Security Level: Unclassified  
 Requirements: There are no clearance or access requirements for the course.

References	Number	Title	Date	Additional Information
	TJM 10-3930-680-10	Technical Manual, Operator's Manual for [REDACTED] [REDACTED] [REDACTED] NSN [REDACTED]	2013	
	LO 10-3930-680-13	Lubrication Order Manual for [REDACTED] [REDACTED] [REDACTED] Student Handout for [REDACTED] Operator NET	2013	

Soldier Study Assignments None

Instructor Requirements One (1) Primary Instructor (PI) & one (1) Assistant Instructor (AI) - per 12 Soldiers.

Additional Support Personnel Requirements

Name	Stu Ratio	Qty	Man Hours
None			

Equipment Required for Instruction	ID Name	Stu Ratio	Instr Ratio	Spt	Qty	Exp
	[REDACTED] w/BI	1:6	1:6	No	4 ea	
	TM [REDACTED] 10	1:6	1:6	No	12 ea	
	LO [REDACTED] 13	1:6	1:6	No	4 ea	
	Rags	1:6	1:6		12	
	Traffic Cones	1:6	1:6		20	
	Pallet, wood 40"X48"	1:6	1:6		16	
	ISO 20' Container	1:6	1:6		4	
	4"X4"X24" Lumber (ground obstacles)	1:6	1:6		16	
	Two Way Radios	1:6	1:6		6	
	Hard Hats	1:6	1:6		12	

Hearing Protection	1:6	1:6	12
Safety Glasses	1:6	1:6	12
High Visibility Vest	1:6	1:6	12
Grease Cloth	1:6	1:6	4
Gloves, Rubber Industrial	1:6	1:6	4
Goggles, Industrial	1:6	1:6	4

NOTE: This equipment list may vary based on resources available.

**Materials Required**

**Instructor Materials:**  
 Class Roster  
 Visitor Book  
 Program of Instruction (POI)  
 Instructor Guide (lesson plan)

**Soldier Materials:**  
 Pencil  
 Pens  
 Highlighters

**Visitor Table Materials:**  
 Visitor Book with Sign-In Roster  
 Program of Instruction (POI)  
 Technical Manuals

**Classroom and Training Area Requirements**

Class given in a class room and operator driver training area environment.

**Instructional Guidance**

NOTE: Before presenting this lesson, instructors must thoroughly prepare by studying this lesson and identified reference material. In preparation, it should be noted that there are multiple ways to address many of the lessons and learning activities, providing the latitude for the instructor to teach in any environment.

**Prior to Soldiers Arrival**

1. Make sure all Lesson Plans and accompanying materials are appropriate for the platform configuration you will be training.
2. Review appropriate TMs with changes.
3. Prior to instruction, inspect all training materials for serviceability and ensure that they are complete with all required components.
4. Have training site prepared 30 minutes prior to Soldiers' arrival.
  - a. Ensure that [redacted] are fully mission capable.
  - b. Power up all [redacted] and ensure battery voltage is sufficient, if not start engine to charge batteries.
  - c. Class room has sufficient seating and or tables, and projection equipment is operational.

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After Soldiers Arrival:

1. Ask questions throughout the presentation to draw Soldiers into the discussion.
2. Check that all changes are posted in Soldiers' TMs.
3. Select students at random to read WARNINGS, CAUTIONS, and NOTES as instructor explains each step.
4. Conduct demonstration on each task and task step. Monitor the Soldiers' exercises, provide on-the-spot corrections, and critique the Soldiers' performance.

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Proponent	Name	Rank	Position	Date
Lesson Plan				
Approvals				

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## SECTION II. INTRODUCTION

**NOTE:** Time of Instruction: 1 hour 00 min

### TRAINING OBJECTIVE

#### a. SHOW SLIDE 2:

The purpose of this lesson is to provide you an overview of the course, which will include methods of instruction, course content, course schedule and an explanation of administrative and general safety policies to be followed.

#### b. SHOW SLIDE 3: LESSON PURPOSE

This lesson has been designated as lesson purpose and will not include an evaluation of learning objectives. This lesson will not address any specific Terminal Learning Objectives (TLOs) or Enabling Learning Objectives (ELOs).

## SECTION III. PRESENTATION

### A. GENERAL SAFETY PRACTICES

#### a. Show Slide 4: SAFETY/CEASE TRAINING (CT) BRIEF

##### 1. Safety/Cease Training (CT) Brief:

- (a) Everyone is responsible for safety
- (b) Anyone can call a Cease Training
- (c) Training will cease due to weather or emergency situations
- (d) Training will continue at the Instructor's discretion
- (e) Adhere to all technical manual WARNINGS, CAUTIONS, and NOTES

#### b. Show Slide 5: GENERAL SAFETY PRACTICES

##### 2. General Safety Practices:

- (a) During the operation of the [REDACTED], all personnel in the operational or work area must maintain a high level of situational awareness.
- (b) Operate the [REDACTED] in a safe manner, keeping a safe speed appropriate for the terrain and looking in direction of travel.

#### c. Show Slide 6: GENERAL SAFETY PRACTICES (continued)

- (c) Maintain proper clearances between overhead, stationary, and mobile obstacles (e.g. power lines, buildings, vehicles, pedestrians) prior to and during operation.

- (d) Ensure you are familiar with the controls and operational characteristics of the [REDACTED] before operating.

d. Show Slide 7: GENERAL SAFETY PRACTICES (continued)

- (e) Make sure you fasten your safety belt, all controls are in neutral and parking brake is applied prior to starting the [REDACTED]
- (f) Passengers are NOT allowed on the [REDACTED]
- (g) Keep clear of all pinch points during operation or maintenance procedures.

e. Show Slide 8: GENERAL SAFETY PRACTICES (continued)

- (h) Use appropriate personal protective equipment (PPE), (e.g. safety glasses, steel toes, earplugs, and hardhats) when operating or performing maintenance.

B. CLASSROOM/PRACTICAL PROCEDURES AND POLICIES

a. Show Slide 9: CLASSROOM/PRACTICAL PROCEDURES AND POLICIES

1. Classroom/Practical Procedures and Policies:

- (a) As a student, you will learn to operate the [REDACTED] in accordance with the operator technical manual without injury to personnel or damage to equipment.
- (b) Training Schedule: Training Block – 40 hours
- (c) Locations, uniforms, instructors, and materials are listed on your Course Training Schedule.
- (d) Phone Numbers will be provided to you.

b. Show Slide 10: CLASSROOM/PRACTICAL PROCEDURES AND POLICIES (continued)

- (e) Do not use cell phones in class or on [REDACTED]
- (f) Maintain the classroom and bay areas in a neat and orderly fashion at all times.
- (g) For severe weather, DO NOT PANIC! Follow the instructions from your instructor.
- (h) Building Emergency Evacuation Plan.
- (i) Student parking.
- (j) Use only designated smoking areas.

C. OVERVIEW OF THE [REDACTED] OPERATOR COURSE

a. Show Slide 11: OVERVIEW OF THE [REDACTED] OPERATOR COURSE

1. Overview of the [REDACTED] Operator Course:

- (a) Course Overview -- general safety, policies, procedures, and course overview.
  - (b) Safety -- operational and maintenance, general safety inspection, and egress procedure.
  - (c) Characteristics, Capabilities, and Features.
  - (d) Operator controls -- cab controls and indicators.
- b. Show Slide 12: OVERVIEW OF THE [REDACTED] OPERATOR COURSE (continued)
- (e) Preventive Maintenance Checks and Services (PMCS) Before/During/After operation PMCS, component/system inspections, checks, and service points.
  - (f) Drive [REDACTED] --start up/shut down, operational checks, driving procedures without load through driving course.

c. Show Slide 13: OVERVIEW OF THE [REDACTED] OPERATOR COURSE (continued)

- (g) Operate [REDACTED] with load:
  - (1) Load Chart
  - (2) Stability
  - (3) Lockouts
  - (4) Load handling procedures; load stacking and retrieving - over different terrain and around obstacles
  - (5) Placing/retrieving loads in confined area
  - (6) Placing, maneuvering, stacking and retrieving loads in a 20' container

d. Show Slide 14: OVERVIEW OF THE [REDACTED] OPERATOR COURSE (continued)

- (h) Recovery/Towing/Transport - Emergency boom operation, caging parking brake, towing, transport load/tie down, fork mount pintle.
- (i) Operator level troubleshooting procedures.
- (j) Operator Maintenance Procedures -- Periodic PMCS Inspections, lubrication, remove/install carriage assembly.

e. Show Slide 15: OVERVIEW OF THE ~~CRANE~~ OPERATOR COURSE (continued)

(k) Operator Written Test – Multiple Choice test to evaluate information for the equipment and procedures.

(l) ~~Operator Performance Test – Operational task to evaluate procedural steps to perform a load handling procedure safely.~~

#### SECTION IV. SUMMARY

a. Show Slide 16: SUMMARY

a. Summary of Main Teaching Points.

1. General Safety Practices
2. Classroom/Practical Procedures and Policies
3. Overview of the ~~CRANE~~ Operator Course

b. Closing Statement.

In this lesson, we have discussed the general safety practices that will be observed throughout the course. These safety points will be reinforced during the lesson and procedures with specific safety requirements.

The Classroom/Practical Procedures and Policies were discussed to establish procedures to adhere to during the course. Each training location will have specific policies that may not be mentioned in the course introduction. If there is a policy or procedure that needs to be clarified or to be stated; make it known to the instructor.

This course consists of ten individual lessons. Each one will be conducted within the time allowed. However, there may be factors due to location, logistics, weather, and other unforeseen issues that may alter the lesson time or order. Every effort will be made to conduct the course as the overview covers.

You have been given a course schedule and other information for review. Each hour of instruction will include a 10-minute break. Please be punctual in returning from the breaks.

Are there any questions?