

**TRAINEE GUIDE**  
**FOR**  
**TACTICAL COMBAT CASUALTY CARE COURSE - TCCC**

**B-300-4010**

**PREPARED BY**  
**NAVAL EXPEDITIONARY MEDICAL TRAINING INSTITUTE**  
**BOX 555223 BLDG 632044 CAMP PENDLETON, CA 92055-5223**

**PREPARED FOR**  
**NAVY MEDICINE SUPPORT COMMAND**  
**8901 WISCONSIN AVENUE BETHESDA, MD 20889-5611**

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LIST OF EFFECTIVE ELEMENTS

Element No.	Change In Effect	Element No.	Change In Effect
Title Page	Original	Job Sheet 5-1-2	Original
List of Effective Elements	Original	Job Sheet 5-1-3	Original
Change Record	Original		
Table of Contents	Original		
Security Awareness Notice	Original		
Safety/Hazard Awareness Notice	Original		
Terminal Objectives	Original		
Course Master Schedule	Original		
Job Sheet 4-1-1	Original		
Job Sheet 4-1-2	Original		
Job Sheet 4-1-3	Original		
Job Sheet 4-1-4	Original		
Job Sheet 4-1-5	Original		
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Unit 4 - Tactical Field Care

Lesson Topic 4.1 - Demonstrate Tactical Field Care

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Unit 5 - Tactical Evacuation Care

Lesson Topic 5.1 - DESCRIBE the differences between MEDEVAC and CASEVAC.

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SECURITY AWARENESS NOTICE

This course does not contain any classified material in any class or practical work session.

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**SAFETY/HAZARD AWARENESS NOTICE****DO NOT SERVICE OR ADJUST ALONE**

Under no circumstances will a person operate or maintain equipment without the immediate presence or assistance of another person capable of rendering aid. Unless under direct supervision of a qualified person, no person shall operate or maintain equipment for which he is unqualified.

**REPORT ALL HAZARDS**

Subject: Safety hazards and precautions

Purpose: Identify possible safety hazards and injuries while attending NEMTI's TCCC programs. To include:

- Using SHARPS (scalpel, I.V. needles, etc.)
- Musculoskeletal injuries during practical applications and FINEX
- Heat Injuries (Dehydration, exhaustion, stroke)
- Eye Injuries
- Animal/ Insect bites and/or stings
- Sunburn
- Hearing-loss
- Soft-tissue injuries (abrasions, lacerations, etc)

Disclaimer: TCCC is a program that will test students mentally and physically. It is required that all participants are in a FULL DUTY status. If you have any medical issues that would inhibit your participation in the course, we encourage you to re-attempt the course once these issues have been resolved. Any student that has pre-existing medical issues at the formation of the class **WILL NOT BE ALLOWED TO CONTINUE**. On-site medical evaluation will be performed by a NEMTI staff IDC, and if needed referred to Naval Hospital Camp Pendleton or nearest Medical Treatment Facility.

**SAFETY - "TRAINING TIME OUT"**

In any training situation when a student or instructor expresses concern for personal safety, it is an indication that a need for clarification of procedures or requirements exists and a "Training Time Out" (TTO) shall be called. An individual should verbally call "TRAINING TIME OUT" if they detect a hazardous condition during any teaching session (lab or theory), or raise a clenched fist to indicate a "TRAINING TIME OUT" if the verbal command cannot be heard. Training activities will be suspended until the hazardous situation has been examined and additional explanation and instruction has been provided to allow safe resumption of training. Caution should be used to ensure a halt to a procedure does not result in additional hazards. TTO follow-up procedures will be performed in

**SAFETY/HAZARD AWARENESS NOTICE - Continued**

accordance with NETCINST 5100.1 (Series) - Safety and Occupational Health, and High-Risk Training Safety Program Manual.

**PRE-MISHAP PLAN**

The Pre-Mishap plan explains the procedures to follow and essential telephone numbers to call in case of an accident or emergency. It is located by the emergency exit in the laboratory.

**TERMINAL OBJECTIVES**

- 1.0 IDENTIFY the three phases of Tactical Combat Casualty Care (TCCC) for a combat environment with a casualty ensuring appropriate care interventions are rendered
- 2.0 UTILIZE the P-MARCH-P algorithm to identify and assess injuries given a wounded casualty
- 3.0 PERFORM care under fire given a casualty and medical supplies in a combat environment, preventing further injury or death
- 4.0 PERFORM Tactical Field Care given a casualty and medical supplies, to prevent further injury or death
- 5.0 IDENTIFY Tactical Evacuation Care Guidelines for casualty care during the tactical evacuation phase to render appropriate care interventions

COURSE MASTER SCHEDULE

B-300-4010

**WEEK 1**

**Day 1**

**Topic**

<b>No.</b>	<b>Type</b>	<b>Period</b>	<b>Topic Title</b>	<b>Period Length</b>	<b>Ratio</b>	<b>BottleNeck Ratio</b>
	PRE	1	Instructor Introduction and Pretest	60	24:1	
1.1	C	2	EXPLAIN the differences between military and civilian pre-hospital trauma care - Intro to TCCC	60	24:1	
2.1	C	3	LIST each step of the P-MARCH-P algorithm.	30	24:1	
3.1	C	4	Care Under Fire	60	24:1	
3.1	C	5	Care Under Fire	60	24:1	
4.1	C	6	Demonstrate Tactical Field Care	60	24:1	
4.1	LP	7	Tourniquet, Drags and Carries, NPA, Cricothyrotomy, Needle Thoracentesis, Occlusive Dressings, Combat Gauze	60	6:1	
4.1	LP	8	Tourniquet, Drags and Carries, NPA, Cricothyrotomy, Needle Thoracentesis, Occlusive Dressings, Combat Gauze	60	6:1	
<b>Day 2</b>						
4.1	LP	9	Tourniquet, Drags and Carries, NPA, Cricothyrotomy, Needle Thoracentesis, Occlusive Dressings, Combat Gauze	60	6:1	
4.1	C	10	Demonstrate Tactical Field Care Part 2	60	24:1	
4.1	C	11	Demonstrate Tactical Field Care Part 2	60	24:1	
5.1	C	12	TACEVAC and Wounded Hostile Combatant	60	24:1	
5.1	LP	13	(IV, FAST1, Junctional Tourniquets, P-MARCH-P)	60	6:1	(12/2)
5.1	LP	14	(IV, FAST1, Junctional Tourniquets, P-MARCH-P)	60	6:1	(12/2)
5.1	LP	15	(IV, FAST1, Junctional Tourniquets, P-MARCH-P)	60	6:1	(12/2)
5.1	LP	16	(IV, FAST1, Junctional Tourniquets, P-MARCH-P)	60	6:1	(12/2)

COURSE MASTER SCHEDULE - Continued

**Day 3**

W	17	Written Test	60	6:1	
W	18	Written Test	60	6:1	
W	19	Written Test	60	6:1	
P	20	Practical Test	60	6:1	(9/9)
P	21	Practical Test	60	6:1	(9/9)
P	22	Practical Test	60	6:1	(9/9)
P	23	Practical Test	60	6:1	(9/9)
P	24	Practical Test	60	6:1	(9/9)

JOB SHEET 4-1-1

COMBAT APPLICATION TOURNIQUET

A. INTRODUCTION

The objective of this skill sheet is to demonstrate the proper application of a Combat Application Tourniquet.

Students will perform the following steps on classmates. Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the student's ability to quickly and effectively apply a Combat Application Tourniquet to an extremity of a fellow student by observing the student's procedure and technique.

B. EQUIPMENT

1. Consumables
  - a. Combat Application Tourniquet (CAT), 6515-01-521-7976
2. Training Materials
  - a. Student Checklists

C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

1. What is the purpose of the windless clip?
2. What is the purpose of the windless strap?

JOB SHEET 4-1-2

DRAGS AND CARRIES

A. INTRODUCTION

Demonstrate how to move a casualty in a Care Under Fire situation.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the accuracy of the student's ability to drag/carry a casualty in a care under fire situation by means of observing the student's procedures and technique.

B. EQUIPMENT

1. Training Equipment
  - a. TSSI Medical Bag, TSS-M9-CT
2. Training Materials
  - a. Simulated, "Rescue Randy" 165 lbs, 651435
  - b. Student Checklists

C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

1. Name an advantage of using the one-person drag?

2. What is one of the disadvantages to the two-person drag?
3. Under what circumstances would you use the two-person drag using lines?
4. What are the steps to perform the Hawes Carry?

JOB SHEET 4-1-3

NASOPHARYNGEAL AIRWAY

A. INTRODUCTION

**DEMONSTRATE** the recommended procedure for insertion of a Nasopharyngeal Airway.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the accuracy of the student's ability to insert a Nasopharyngeal Airway on an airway trainer by means of observing the student's procedures and technique.

B. EQUIPMENT

1. Airway Simulator
2. Consumables
  - a. Nasopharyngeal Airway w/Lube, 6515-01-529-1187
3. Training Materials
  - a. Student Checklists

C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142
2. Advanced Trauma Life Support (ATLS) Manual, American College of Surgeons, Chicago, IL, ISBN 1880696149

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

1. TRUE/ FALSE Nasopharyngeal Airway (NPA) is better tolerated by a conscious patient.

2. What is the first step that you should perform before inserting the Nasopharyngeal Airway (NPA)?
  
3. What angle should the Nasopharyngeal Airway (NPA) be inserted?

JOB SHEET 4-1-4

CRICOTHYROTOMY

A. INTRODUCTION

**DEMONSTRATE** the procedure for a surgical airway (cricothyroidotomy) using the Cric-Key.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the accuracy of the student's ability to perform an emergency surgical cricothyroidotomy using the Cric-Key on an airway trainer by means of observing the student's procedures and technique.

B. EQUIPMENT

1. Cricothyroidotomy Simulator
2. Consumables
  - a. CricKit, Emergency Cricothyroidotomy Kit, 6515-01-540-7568
  - b. 10cc - 20G x 1" Syringe & Needle, 100/bx, SEVERAL
  - c. Betadine/Alcohol Prep
  - d. Scalpel, #10 or #15
  - e. Gauze pads
  - f. Circumferential Tie
  - g. Ambu Bag.
  - h. Melker Cricothyroidotomy Airway Cannula - Control Cric Kit, 13-500
3. Training Materials
  - a. Student Checklists

C. REFERENCES

1. Tactical Combat Casualty Care (TCCC) Guidelines for Medical Personnel, 150603

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

1. The CRIC incision line is located between the \_\_\_\_\_ and the Cricoid Cartilage.
2. The thyroid prominence, commonly called the \_\_\_\_\_ is usually visible in males.
3. What size tube should be used for the airway?

JOB SHEET 4-1-5

NEEDLE THORACENTESIS

A. INTRODUCTION

**DEMONSTRATE** the appropriate procedure for needle decompression of a tension pneumothorax.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the accuracy of the student's ability to perform an emergency surgical cricothyroidotomy using the Cric-Key on an airway trainer by means of observing the student's procedures and technique.

B. EQUIPMENT

1. Needle Decompression Simulator
2. Consumables
  - a. Combat Gauze Dressing, 30-0039
  - b. Betadine/Alcohol Prep
  - c. Gauze Tape, NON270101
  - d. Needle/catheter 14 gauge and 3.25"
3. Training Materials
  - a. Student Checklists

C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

1. What is the goal for the treatment for tension pneumothorax?
2. Name an acceptable alternate site for needle decompression?
3. After decompression of a tension pneumothorax what should you do after the needle is removed?

JOB SHEET 4-1-6

COMBAT GAUZE

A. INTRODUCTION

**Demonstrate** the proper technique and procedures for applying a hemostatic dressing to control hemorrhage.

The instructor will verify the accuracy of the student's ability to apply a hemostatic dressing effectively on the wound of a fellow student simulating a casualty by means of observing the student's procedures and technique. Students will be evaluated as a Pass/Fail (P/F).

B. EQUIPMENT

1. Consumables
  - a. Combat Gauze Dressing, 30-0039
  - b. Mariner Kit, 6545-01-543-5770
2. Training Equipment
  - a. TSSI Medical Bag, TSS-M9-CT

- b. Moulaged Manikin
- 3. Training Materials
  - a. Student Checklists

C. REFERENCES

- 1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

None.

JOB SHEET 4-1-7

RUGGED FIELD IV

A. INTRODUCTION

**DEMONSTRATE** the appropriate procedure for initiating a rugged IV field setup

B. EQUIPMENT

- 1. Consumables
  - a. medical aid bag to include: IV line, IV solution (500mL recommended),
- 2. Training Materials
  - a. Student Checklists

C. REFERENCES

- 1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

1. For Rugged IV access, what size catheter should be used?
  
2. What intervals should the saline lock be flushed if the IV is not running?

JOB SHEET 4-1-8

INTRAOSSIOUS INFUSION (F.A.S.T.1)

A. INTRODUCTION

**DEMONSTRATE** the correct procedure for initiating an intraosseous infusion.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the student’s ability to initiate an IO infusion on an intraosseous therapy trainer by observing the student’s procedure and technique.

B. EQUIPMENT

1. Consumables
  - a. F.A.S.T. 1 Training Supplies/ 10 people, 620046
  - b. SimIO accessories (Target Patches), 620046
  - c. IV Administration Set
  - d. 5cc Syringe
  - e. 250cc bag
2. Training Materials
  - a. Student Checklists

C. REFERENCES

None

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

None.

JOB SHEET 5-1-1

RUGGED FIELD IV

A. INTRODUCTION

**DEMONSTRATE** the appropriate procedure for initiating a rugged IV field setup

B. EQUIPMENT

1. Consumables
  - a. medical aid bag to include: IV line, IV solution (500mL recommended),
2. Training Materials
  - a. Student Checklists

C. REFERENCES

1. Prehospital Trauma Life Support (PHTLS), ISBN 1880696142

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

1. For Rugged IV access, what size catheter should be used?
  
2. What intervals should the saline lock be flushed if the IV is not running?

JOB SHEET 5-1-2

INTRAOSSIOUS INFUSION (F.A.S.T.1)

A. INTRODUCTION

**DEMONSTRATE** the correct procedure for initiating an intraosseous infusion.

Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the student’s ability to initiate an IO infusion on an intraosseous therapy trainer by observing the student’s procedure and technique.

B. EQUIPMENT

1. Consumables
  - a. F.A.S.T. 1 Training Supplies/ 10 people, 620046
  - b. SimIO accessories (Target Patches), 620046
  - c. IV Administration Set
  - d. 5cc Syringe
  - e. 250cc bag
2. Training Materials
  - a. Student Checklists

C. REFERENCES

None

D. SAFETY PRECAUTIONS

None

E. JOB STEPS

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F. SELF-TEST QUESTIONS

None.

JOB SHEET 5-1-3

SAM JUNCTIONAL TOURNIQUET (SJT) SKILL SHEET

A. INTRODUCTION

Objective: **DEMONSTRATE** the proper application of a SAM Junctional Tourniquet (SJT).

Students will be evaluated as a Pass/Fail (P/F). the instructor will verify the student's ability to

quickly and effectively apply a SJT to a fellow student by observing the student's procedure and technique.

**B. EQUIPMENT**

1. SAM Junctional Tourniquet (SJT)
2. Training Materials
  - a. Student Checklists

**C. REFERENCES**

1. TCCC for HMs, 101

**D. SAFETY PRECAUTIONS**

None

**E. JOB STEPS**

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**F. SELF-TEST QUESTIONS**

1. What are the four parts of the SAM junctional tourniquet?
2. What does the acronym TCD stand for?
3. What is the purpose of the TCD?