

## CRM LESSON PLAN REPORT

LAND NAVIGATION (BCT)  
071-BT071023 / 5.02 ©

Approved  
10 Aug 2021

Effective Date: 10 Aug 2021

### SCOPE:

NOTE: This lesson plan covers the physical application of land navigation that follows a classroom explanation of Basic Map Reading. During this training, Trainees will learn how to physically implement map reading skills and apply proper pace count, compass orientation, and movement from one point to another. The academic time for this lesson plan is accounted for in the appropriate field training exercise; Hammer, Anvil or Forge. This lesson plan will be maintained on-site and all safety, environmental, training standards, instructional guidance, and resources will be adhered to.

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**Foreign Disclosure: FD2** - This training product has been reviewed by the training developers in coordination with the MCoE G2 foreign disclosure officer. This training product can be used to instruct international military students when the country meets specific criteria. Specify requirement(s) that each country must meet (select all that are appropriate): 1) Must purchase equipment through FMS FMS; 2) Must be a member of a specific group or coalition TBD by MCoE G2; 3) Must have an accepted clearance (must be authorized under an identified general security agreement with the US); 4) May not attend FD3 modules N/A; 5) Other See MCoE.

**SECTION I. ADMINISTRATIVE DATA**

**All Course Masters/POIs Including This Lesson**

<b>Courses</b>				
<u>Course Number</u>	<u>Version</u>	<u>Title</u>	<u>Phase</u>	<u>Status</u>
750-BT	11.0	Basic Combat Training	N/A	Analysis

<b>POIs</b>				
<u>POI Number</u>	<u>Version</u>	<u>Title</u>	<u>Phase</u>	<u>Status</u>
31B10-OSUT	21.0 ©	Basic Military Police	0	Analysis
12C10-OSUT	20.0 ©	Bridge Crewmember	0	Analysis
750-BT	11.0 ©	Basic Combat Training	0	Analysis
12C10-OSUT (ST)	20.0 ©	Bridge Crewmember	0	Analysis

**Task(s) Taught(\*) or Supported**

<u>Task Number</u>	<u>Task Title</u>	<u>Status</u>
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**Reinforced Task(s)**

<u>Task Number</u>	<u>Task Title</u>	<u>Status</u>
071-COM-1006	Navigate from One Point on the Ground to another Point while Dismounted	Superseded
071-COM-1000	Identify Topographic Symbols on a Military Map	Superseded
071-COM-1018	Determine Grid Azimuth using a Protractor	Superseded
071-COM-1001	Identify Terrain Features on a Map	Superseded
071-COM-1002	Determine the Grid Coordinates of a Point on a Military Map	Superseded
071-COM-1003	Determine a Magnetic Azimuth using a Lensatic Compass	Superseded
071-COM-1008	Measure Distance on a Map	Superseded
071-COM-1011	Orient a Map Using a Lensatic Compass	Superseded

**Knowledge**

<u>Knowledge Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
K7844	Map Reading	No	Yes
301-K-161	Accuracy of an eight-digit grid coordinate.	No	Yes
K25968	Know how to use a hairline, straightedge, drafting compass, and protractor	No	Yes

**Skill**

<u>Skill Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
S0552	Operate a compass	No	Yes
011-097S	Navigate Using Map and Compass	No	Yes
071-NAV-0012	Determine the Grid Coordinates of a Point on a Military Map	No	Yes

**Administrative/ Academic Hours**

The administrative/academic (50 min) hours required to teach this lesson are as follows:

<u>Academic</u>	<u>Resident Hours / Methods</u>		
Yes	0 hrs	0 mins	Practical Exercise (Hands-On/Written)
Yes	0 hrs	0 mins	Discussion (Small or Large Group)
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Total Hours(50 min):	0 hrs	0 mins	

**Instructor Action Hours**

The instructor action (60 min) hours required to teach this lesson are as follows:

**Hours/Actions**

0 hrs	30 mins	Training Event Clean-up/Breakdown (non-FTX)
0 hrs	30 mins	Training Event Prep/Setup (non-FTX)

Total Hours (60 min): 1 hrs 0 mins

**Test Lesson(s)**

<u>Hours</u>	<u>Lesson Number Version</u>	<u>Lesson Title</u>
None		

**Prerequisite Lesson(s)**

<u>Hours</u>	<u>Lesson Number Version</u>	<u>Lesson Title</u>
None		

**Training Material Classification**

Security Level: This course/lesson will present information that has a Security Classification of: U - Unclassified.

**Foreign Disclosure Restrictions**

FD2. This training product has been reviewed by the training developers in coordination with the MCoE G2 foreign disclosure officer. This training product can be used to instruct international military students when the country meets specific criteria. Specify requirement(s) that each country must meet (select all that are appropriate): 1) Must purchase equipment through FMS FMS; 2) Must be a member of a specific group or coalition TBD by MCoE G2; 3) Must have an accepted clearance (must be authorized under an identified general security agreement with the US); 4) May not attend FD3 modules N/A; 5) Other See MCoE.

**References**

<u>Number</u>	<u>Title</u>	<u>Date</u>
AR 200-1	ENVIRONMENTAL PROTECTION AND ENHANCEMENT	13 Dec 2007
ATP 3-34.5	Environmental Considerations	10 Aug 2015
ATP 5-19	RISK MANAGEMENT, with change 1 dated 8 Sep 2014	14 Apr 2014
STP 21-1-SMCT	SOLDIER'S MANUAL OF COMMON TASKS, WARRIOR SKILLS, LEVEL 1	07 Nov 2019
TC 3-25.26	MAP READING AND LAND NAVIGATION ( <a href="https://armypubs.us.army.mil/doctrine/DR_pubs/dr_c/pdf/tc3_25x26.pdf">https://armypubs.us.army.mil/doctrine/DR_pubs/dr_c/pdf/tc3_25x26.pdf</a> )	15 Nov 2013
TRADOC REG 350-6	Enlisted Initial Entry Training Policies and Administration <a href="http://www.tradoc.army.mil/tpubs/regs/TR350-6.pdf">http://www.tradoc.army.mil/tpubs/regs/TR350-6.pdf</a>	09 Aug 2019

**Student Study Assignment**

None.

**Instructor Requirements**

Conduct this Lesson during ANVIL, Hammer or Forge.

**Support Personnel Requirements**

NCO to monitor tracking device.

**Additional Support Personnel Requirements**

<u>Name</u>	<u>Student Ratio</u>	<u>Qty</u>	<u>Man Hours</u>
Range Safety NCO Remarks:	0:0	1	10.0
Driver Remarks:	0:0	1	10.0
Bus Driver Remarks:	1:40		10.0
Combat Lifesaver Remarks:	0:0	1	10.0

**Equipment  
Required  
for Instruction**

<u>ID - Name</u>	<u>Student Ratio</u>	<u>Instructor Ratio</u>	<u>Spt</u>	<u>Qty</u>	<u>Exp</u>
* 23-109 - Home Station Instrumentation Training System (HITS) Remarks:	0:0		1		No
2310-01-090-7709 - Bus Transit 44 Passenger Remarks:	1:40	0:0	No	0	No
2320-01-380-8604 - Truck Utility: Heavy Variant HMMWV 4x4 10000 GVW W/E: M1097A2 Remarks:	1:200	0:0	No	0	No
2320-01-549-8577 - Truck Cargo: without Winch M1078A1P2 Remarks:	1:200	0:0	No	0	No
2330-01-108-7367 - Trailer Water: M149A2 Remarks:	0:0	0:0	Yes	1	No
4110-01-485-3658 - Chest, Ice Storage, White, 36 Quart Capacity 2S Remarks:	0:0	0:0	Yes	4	No
6515-01-363-4495 - THERMOMETER,CLINICAL,HUMAN Remarks:	0:0	0:0	Yes	4	No
6515-01-396-8956 - Bag, Shoulder Splint, Injury Immobilization, Zippered Opening Remarks:	0:0	0:0	Yes	4	No
6530-01-260-1222 - Rescue and Transport System, Patient Remarks:	0:0	0:0	Yes	4	No
6530-01-380-7309 - Litter, Folding, Rigid Aluminum Pole, Plastic Nylon Duck Cover, 91.60 Inch Overall Length Remarks:	0:0	0:0	Yes	4	No
6545-01-532-3674 - Medical Equipment Set, Combat Lifesaver, Version 2005, UA 245A Remarks:	0:0	0:0	Yes	4	No
6605-01-196-6971 - Compass, Magnetic, Unmounted Remarks:	1:1	0:0	No	0	No
6665-01-381-3023 - Wet Bulb-Globe Temperature Kit Remarks:	0:0	0:0	Yes	1	No
7210-00-081-1417 - Sheet, Bed, Cotton-Polyester, White, 104 X 72 Inches, Solid, Plain, Flat Remarks:	0:0	0:0	Yes	8	No
8960-01-430-4378 - Ice, 8 Pounds Remarks:	1:10	0:0	Yes	8	No

*(Note: Asterisk before ID indicates a TADSS.)*

**Materials  
Required**

*Instructor Materials:*

1. TC 3-25.26 Flashlight (for night courses).
2. Map board (For briefing).
3. Orienteering clackers (Examples).
4. Motorola radio (linked to base station).

**Site Materials:**

1. Motorola Base Station.
2. Navigation Set – GPS (For accurate time tracking).
3. I-HITS (or similar individual location tracking system).
4. Water cans/Lister bags (55 gal per 80 students).
5. 4X4 vehicles, 2 each (these are to be used as rover vehicles).
6. Combat lifesaver bags with litters, 3 each (1 bag located in each vehicle and 1 with the combat lifesaver).
7. Score Sheets (1 per Soldier plus 10 spares).

*Student Materials:*

1. Prescribed Uniform (Heat CAT 5 uniform during summer months).
2. Patrol Cap.
3. Pace Cord.
4. Water (Camelbak, FLC with two 1 quart canteens).
5. Lensatic compass.
6. Protractor.
7. Pencil.
8. Clip board (optional).
9. Unit Land Nav Area map (1;50,000).
10. Water proof container for scorecard.
11. Scorecard (To be handed out).

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

<u>ID - Name</u>	<u>Quantity</u>	<u>Student Ratio</u>	<u>Setup Mins</u>	<u>Cleanup Mins</u>
17120-M-2200-60 Classroom, Multipurpose, 2200 Square Feet, 60 Students Remarks:	1	0:0	15	15
17998-247-1 Land Navigation Course, 247 Acre, 1 Each Remarks:	1	0:0	50	50

**Ammunition  
Requirements**

<u>DODIC - Name</u>	<u>Exp</u>	<u>Student Ratio</u>	<u>Instruct Ratio</u>	<u>Spt Qty</u>
None				

**Instructional Guidance/  
Conduct of Lesson**

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

**This Lesson will be conducted during Anvil.**

Use every opportunity to reinforce Land Navigation.

**NOTE:** The academic time for this lesson plan is accounted for in the appropriate field training exercise; Hammer, Anvil or Forge. This lesson plan will be maintained on-site and all safety, environmental, training standards, instructional guidance, and resources will be adhered to.

**Proponent Lesson  
Plan Approvals**

<u>Name</u>	<u>Rank</u>	<u>Position</u>	<u>Date</u>
Joseph Hiner	Not available	Approver	10 Aug 2021

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## SECTION II. INTRODUCTION

Method of Instruction: Discussion (Small or Large Group)  
 Mode of Delivery: Resident Instruction  
 Instr Type (I:S Ratio): Military - NON-ICH (1:200)  
 Time of Instruction:

### Motivator

Being able to successfully complete any mission greatly depends on your ability to navigate.  
 What good are our weapons systems if we can't move them from one point to another to employ them against the enemy?

### 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:	Navigate from one point on the ground to another.
Conditions:	During daylight, given a team, standard scale topographic map of the area, a compass, coordinate scale and protractor, and a requirement sheet.
Standards:	<p><b>The Trainee will:</b></p> <ol style="list-style-type: none"> <li>1. Complete the pace count exercise over flat and uneven terrain.</li> <li>2. Participate in compass exercises by using the compass to get azimuths and following dead reckoning techniques on 100 to 200 meter legs.</li> <li>3. Navigate from one point to another on the ground within the prescribed time limit.</li> </ol>
Learning Domain - Level:	Psychomotor - Precision
No JPME Learning Areas Supported:	None

### Safety Requirements

Safety must be paramount in the complex outdoor environment. During the training process, Commanders will utilize the 5-Step Risk Management process to determine the safest and most complete method to train.

Every precaution will be taken while replicating realistic battlefield conditions.

Safety is everyone's responsibility to recognize, mitigate, and report hazardous materials.

**INSTRUCTOR NOTE:** The Instructor will brief the unit/site SOP and Deliberate Risk Management Worksheet for all potential contingencies encountered during that training period/event (i.e., severe weather, fire, evacuation, rally points, etc.).

### Risk Assessment Level

#### Low - Heat/Cold Weather Injuries.

Assessment: Ensure to check local weather reports prior to the execution of training. Drill Sergeants must conduct layouts prior to training to ensure all required clothing and equipment is present.

Controls: Drill Sergeants will monitor Trainees to ensure adequate hydration and nutrition. Drill Sergeants will ensure Trainees are wearing the appropriate clothing and protective gear for the local weather.

Leader Actions: Ensure DD Form 2977 is updated with the appropriate controls. Make sure every Drill Sergeant is aware of Controls prior to execution of training so they can take appropriate action.

#### Low - Interactions with local wildlife.

Assessment: Check local listings of wildlife.

Controls: Ensure Drill Sergeants give a detailed Safety Brief prior to the execution of training to include what potentially hazardous animals and insects could be in the area. Drill Sergeants will monitor Trainees at all times.

Leader Actions: Ensure DD 2977 is updated with the appropriate controls. Ensure Drill Sergeants have to appropriate

information prior to the execution of training.

### **Low - Interactions with poisonous plants.**

Assessment: Check local listings of potentially hazardous plants.

Controls: Drill Sergeants will give a detailed safety brief to include what types of poisonous plants are in the area, (sumac, poison oak/Ivy). Drill Sergeants will ensure Trainees avoid the identified plants.

Leader Actions: Ensure DD 2977 is updated with the appropriate controls. Ensure Drill Sergeants have the appropriate information prior to the execution of Training.

### **Low - Hyponatremia.**

Assessment: Review the symptoms of Hyponatremia.

Controls: Drill Sergeants will monitor Trainee water consumption. Ensure the safety brief includes the symptoms of Hyponatremia.

Leader Actions: Ensure DD 2977 is updated with appropriate controls. Ensure Drill Sergeants have the appropriate information prior to the safety brief.

### **Low - Inclement weather.**

Assessment: Check local forecasts. Contact range control for more detailed information.

Controls: Drill Sergeants will brief Trainees what course of action to take for specific weather conditions (Lightning, Tornadoes, etc.).

Leader Actions: Ensure DD 2977 is updated with appropriate controls. Ensure Drill Sergeants are aware of what weather is expected and where to take shelter if appropriate.

### **Low - Dehydration.**

Assessment: Check water levels in the unit water trailer prior to execution of training. Make sure Drill Sergeants check Trainees water is topped off prior to departure.

Controls: Drill Sergeants will include symptoms of dehydration in their safety brief. Drill Sergeants will monitor Trainees water Consumption.

Leader Actions: Ensure DD 2977 is updated with appropriate controls. Ensure Drill Sergeants have the appropriate information prior to the safety brief.

## **Environmental Considerations**

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**NOTE:** Instructor should conduct a risk assessment to include environmental considerations IAW the current environmental considerations publication, and ensure students are briefed on hazards and control measures.

Units and installations will prepare an environmental risk assessment using the before, during, and after checklist found in ATP 3-34.5 MCRP 4- 11B, AUG 2015. The checklist should supplement local and state environmental regulations applicable to your area.

## **Instructional Lead-in**

**NOTE:** Brief the Trainees on the safety requirements.

**NOTE:** Brief the Trainees on the requirement sheet.



### SECTION III. PRESENTATION

**NOTE:** Inform the students of the Enabling Learning Objective requirements.

#### A. ENABLING LEARNING OBJECTIVE

<b>ACTION:</b>	Determine pace count, magnetic azimuth, and orient map.
<b>CONDITIONS:</b>	Given a standard scale topographic map of the area, lensatic compass, requirement sheet, and 100m pace course.
<b>STANDARDS:</b>	Determine 100m pace count, determine azimuth within 3 degrees, and orient map within one minute and navigate using dead reckoning technique.
<b>LEARNING DOMAIN - LEVEL:</b>	Psychomotor - Precision
<b>No JPME LEARNING AREAS SUPPORTED:</b>	None

ELO A - LSA 1. Learning Step / Activity ELO A - LSA 1. Determine Pace Count.

Method of Instruction: Practical Exercise (Hands-On/Written)

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH (3:50)

Time of Instruction:

Media Type: Actual Equipment

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

1. As you move along your azimuth, pay attention to how far you have traveled. The best way to do this is your pace count.
2. A pace is equal to one natural step, about 30 inches long. To accurately use the pace count method, you must know how many paces it takes you to walk 100 meters.

**To determine this:**

- (a) You must walk and accurately measured course and count the number of paces you take. A pace course can be as short as 100 meters or as long as 600 meters.
- (b) The pace course, regardless of length, must be on similar terrain to that you will be walking over. It does no good to walk a course on flat terrain and then try to use that pace count on hilly terrain.
- (c) Your pace count on a 600 meter course, count the paces it takes you to walk the 600 meters, then divide the total paces by 6.
- (d) The answer will give you the average paces it takes you to walk 100 meters. It is important that each person who navigates while dismounted knows his pace count.

3. Distance measured by pacing is approximate; however, with practice you can become very accurate. To use dead reckoning you must figure out your average pace count.

At the end of this instruction, you will establish your own pace count on a 100-meter pace course.

**NOTE:** Have the Trainees walk the pace course and determine their 100 meter pace count.

**NOTE:** Review and clear up any questions the Trainees have about pace count.

Check on Learning: Conduct a check on learning and summarize the learning activity.

Review Summary: Conduct a Summary Review.

Method of Instruction: Practical Exercise (Hands-On/Written)

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH (3:50)

Time of Instruction:

Media Type: Actual Equipment

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

1. Transition: To navigate by dead reckoning, you must know how to use a lensatic compass. To do this you must first understand the components of a lensatic compass. The three components are the cover, the base, and the lens.

**NOTE:** Show the Trainees the three components.

2. The base of the compass has a graduated straight edge that you can use to measure distance, plus a thumb loop for holding the compass. The compass base also has the floating dial with a luminous arrow. Above the floating dial is a black fixed index line.

3. The cover of the compass has a sighting wire with two luminous sighting dots, one above and one below the sighting wire. The lens of the compass is magnified and has a sighting slot.

**NOTE:** Have the Trainees point out the three basic components of the compass.

4. The floating dial is mounted on a pivot so that it can rotate freely when the compass is held level. Printed on the dial are a luminous arrow and the letters "E" and "W". The arrow always points to magnetic north and the letters fall at east (90 degrees) and west (270 degrees) on the dial. There are two scales (the outer scale denotes MILS and the inner scale (normally in red) denotes DEGREES).

5. Use a compass checkpoint to verify the accuracy of compasses. Do not use any compass that is off by 3 degrees either way.

6. Compasses are affected by metal objects and electrical sources. Keep them away from the following:

- (a) High-tension powerlines - 55meters.
- (b) Heavy indirect fire systems, truck, or tank - 8 meters.
- (c) Telephone wires and barbed wire - 10 meters.
- (d) Machine gun - 2 meters.
- (e) Rifle - 1/2 meter.

7. The center-hold technique uses the natural ability to point accurately at an object and is as follows;

- (a) Open the compass fully.
- (b) Place either thumb through the loop.
- (c) Place the index finger of the same hand along the edge of the compass.
- (d) Place the thumb of the other hand between the eyepiece and the base of the compass.
- (e) Put the index finger of that hand along the edge of the compass.
- (f) Pull your elbows into your sides.
- (g) Rotate your body and the compass as a unit until the azimuth appears beneath the fixed index line.
- (h) Move out in the direction indicated on the cover of the compass.

8. The compass-to-cheek technique is used almost exclusively for sighting, and is the best technique for this purpose. It is as follows;

- (a) Fold the cover of the compass to a vertical position.
- (b) Fold the rear sight slightly forward.
- (c) Place the thumb of either hand through the loop.

(d) Place the index finger of the same hand around the base of the compass.

**NOTE:** Ensure that the floating dial still rotates freely.

(e) Look through the rear-sight slot and align the front-sight hairline with the desired object.

(f) Glance down at the dial through the eye lens to read the azimuth.

9. Follow these steps for speed and accuracy, and then hold the compass that the desired azimuth displays beneath the fixed, black index line.

10. Rotate the bezel ring of the compass until the short luminous line is directly over the north-seeking arrow. If you keep this luminous line over the north-seeking arrow, the desired azimuth will display beneath the fixed, black index line, and the cover of the compass will point in the direction that you want to follow.

**NOTE:** Demonstrate this on the compass.

**NOTE:** Have each Trainee demonstrate the compass-to-cheek and the center-hold techniques.

**NOTE:** Have each Trainee determine an azimuth to a known location (3 degree tolerance for the compass-to-cheek method).

**NOTE:** Review and answer any questions Trainees have about the compass.

**NOTE:** Remind Trainees to ensure that the sight is fully folded down to lock the floating dial when not navigating.

Check on Learning: Conduct a check on learning and summarize the learning activity.

Review Summary: Conduct a Summary Review.

ELO A - LSA 3. Learning Step / Activity ELO A - LSA 3. Orient the Map Using a Lensatic Compass.

Method of Instruction: Practical Exercise (Hands-On/Written)

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - NON-ICH (3:50)

Time of Instruction:

Media Type: Actual Equipment

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

1. There are two techniques to orienting the map. We will discuss the compass method.

2. The base of the compass has a straight edge that you can use to measure distance. Today we will place the straight edge on a north/south grid line. Now rotate the map, keeping the compass straight edge on the north/south grid line, until the compass north-seeking arrow is directly under the black fixed index line. Your map is now oriented north.

**NOTE:** Demonstrate this with the map: Marking where you are starting on your map can save you a lot of effort during your navigation process.

**NOTE:** Have the Trainees orient their map.

**NOTE:** Review and answer questions.

Check on Learning: Conduct a check on learning and summarize the learning activity.

Review Summary: Conduct a Summary Review.

**CHECK ON LEARNING (ELO A):** Conduct a check on learning and summarize the ELO.

**REVIEW SUMMARY(ELO A):** Conduct a Summary Review.

**B. ENABLING LEARNING OBJECTIVE**

<b>ACTION:</b>	Navigate from One Point on the Ground to Another.
<b>CONDITIONS:</b>	During daylight hours, with a team, given a standard scale topographic map of the area, a lensatic compass, coordinate scale and protractor, and a requirement sheet.
<b>STANDARDS:</b>	Locate three of possible four points within a two hour time limit.
<b>LEARNING DOMAIN - LEVEL:</b>	Psychomotor - Precision
<b>No JPME LEARNING AREAS SUPPORTED:</b>	None

ELO B - LSA 1. Learning Step / Activity ELO B - LSA 1. Conduct Land Navigation Course (Day).

Method of Instruction: Practical Exercise (Hands-On/Written)  
 Mode of Delivery: Resident Instruction  
 Instr Type (I:S Ratio): Military - NON-ICH (3:50)  
 Time of Instruction:  
     Media Type: Actual Equipment  
     Other Media: Unassigned  
 Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

**NOTE:** Brief the Trainees on the safety requirements. It is important that all Trainees are present for this briefing and include all information relevant to safety and Unit/Installations SOPs.  
**NOTE:** Read the following to the Trainees, "Notice on your requirement sheet the group number and start point. The present time is \*\*\*\*\*. Your start time is\*\*\*\*\*. If there are no questions, you have two hours in which to negotiate the course and return to the start point. You may begin."

Check on Learning: Conduct a check on learning and summarize the learning activity.  
 Review Summary: Conduct a Summary Review.

**CHECK ON LEARNING (ELO B):** Conduct a check on learning and summarize the ELO.

**REVIEW SUMMARY(ELO B):** Conduct a Summary Review.

**C. ENABLING LEARNING OBJECTIVE**

<b>ACTION:</b>	Navigate the Land Navigation Course.
<b>CONDITIONS:</b>	During daylight, given a standard scale topographic map of the area, a compass, coordinate scale, protractor, requirement sheet, tracking system, and a 4 member team.
<b>STANDARDS:</b>	Locate three of a possible five points within a four hour time limit by alternating primary navigation duties.
<b>LEARNING DOMAIN - LEVEL:</b>	Psychomotor - Precision
<b>No JPME LEARNING AREAS SUPPORTED:</b>	None

ELO C - LSA 1. Learning Step / Activity ELO C - LSA 1. Conduct Land Navigation Course.

Method of Instruction: Practical Exercise (Hands-On/Written)

Mode of Delivery: Resident Instruction  
Instr Type (I:S Ratio): Military - NON-ICH, (3:50)  
Time of Instruction:

Media Type: Actual Equipment

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

Note: Marked as (\*) is derived from the parent learning object

**NOTE:** Brief the Trainees on the safety requirements.

**NOTE:** Read the following to the Trainees, "Notice on your requirement sheet the lane number and starting stake. The present time is \*\*\*\*\* your start time is \*\*\*\*\*. If you have no questions you have 4 hours (Day) in which to negotiate the course and return to the start point. You may begin."

Check on Learning: Conduct a check on learning and summarize the learning activity.

Review Summary: Conduct a Summary Review.

**CHECK ON LEARNING (ELO C):** Conduct a check on learning and summarize the learning activity.

**REVIEW SUMMARY(ELO C):** Conduct a Summary Review.

## SECTION IV. SUMMARY

Method of Instruction:	Discussion (Small or Large Group)
Mode of Delivery:	Resident Instruction
Instr Type(I:S Ratio):	Military - NON-ICH (1:200)
Time of Instruction:	0

### Check on Learning

Determine Trainees have learned the material presented by soliciting Trainee questions and explanations. Ask the Trainees questions and correct misunderstandings.

**NOTE:** Review/clear up any questions the Trainees have concerning the course.

### Review/Summary

Conduct a Summary Review.

## SECTION V. STUDENT EVALUATION

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### Testing Requirements

**NOTE:** Describe how the Trainee must demonstrate accomplishment of the TLO. Refer Trainee to the Trainee Evaluation Plan.

Today, you will be required to navigate from one point on the ground to another while dismounted. You must locate three out of a possible five points within four hours to receive a "Go" during daylight.

### Feedback Requirements

**NOTE:** Feedback is essential to effective learning. Schedule and provide feedback on the evaluation and any information to help answer Trainees' questions about the test. Provide remedial training as needed.

**Appendix A - Viewgraph Masters**

**Land Navigation (BCT)  
071-BT071023 / Version 5.02 ©**

<b>Sequence</b>	<b>Media Name</b>	<b>Media Type</b>
None		



## Appendix B - Assessment Statement and Assessment Plan

**Assessment Statement: None.**

**Assessment Plan: None.**

**Appendix C - Practical Exercises and Solutions**

**PRACTICAL EXERCISE(S)/SOLUTION(S) FOR LESSON 071-BT071023 Version 5.02 ©**

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**Appendix D - Student Handouts**

**Land Navigation (BCT)**  
**071-BT071023 / Version 5.02 ©**

<b>Sequence</b>	<b>Media Name</b>	<b>Media Type</b>
None		