



THE NCO LEADERSHIP CENTER OF EXCELLENCE

# BATTLE STAFF NONCOMMISSIONED OFFICER COURSE

ME: 41D HQ  
18CT, 25 ID

T: Attacks S. of Kura River along  
P: Defeat OLC-E forces

SE 1 -  
Who: 18CT, 10MTN  
T: SEIZE ATE PS COWBOYS  
P: Enable passage & line 41D

SE 2 -  
Who: 6<sup>th</sup> MARINE REGT  
T: Attacks N. of Kura river  
P: Protect the ME 13. flank

SE 3 -  
Who: 2<sup>nd</sup> M  
T: Full  
P: Sm



Graphics

- ☐ M<sup>2</sup> concept
- ☐ Protection
- ☐ Sustainment
- ☐ Lethal Fires

Remember:  
ATE Tank by  
motor at PH II

The Battle Staff  
Noncommissioned Officers Course  
Prerequisite Training Workbook  
(05 November 2019)

# **The Battle Staff Noncommissioned Officers Course Prerequisite Training Workbook**

Upon completion of the learning tutorials, students will complete and submit this workbook as a prerequisite for the BSNCO. The workbook will be completed in conjunction with the learning tutorials. As one learning tutorial ends, the learner will be directed to complete a portion/section of the workbook and answer the associated check on learning questions as directed. Each portion/section of the workbook will focus on the corresponding tutorial. Students will use this workbook as a guide (advance organizer) throughout the BSNCO.

**Learning Objectives: Upon completion of this workbook, learners will be able to:**

- Properly locate and plot an eight-digit grid coordinate.
- Identify the 5 major terrain features found on a military map.
- Identify topographic symbols on a military map.
- Identify the four types of unit frames.
- Properly apply the use of unit icons.
- Demonstrate the correct use of modifiers 1 & 2.

**Completion of this workbook should provide learners with:**

- A better understanding of TC 3-25.25 (Map Reading & Land Navigation).
- A better understanding of ADP 1-02 (Terms and Military Symbols).
- Increase learner confidence in depicting and analyzing graphic symbols.
- Provide a quick reference guide during BSNCO.
- Increase cognitive learning ability.

**Cognitive learning levels:**

Creating	Putting elements together to form a coherent or functional whole; reorganizing elements into a new pattern or structure through generating, planning, or producing.
Evaluating	Making judgments based on criteria and standards through checking and critiquing.
Analyzing	Breaking material into constituent parts, determining how the parts relate to one another and to an overall structure or purpose through differentiating, organizing, and attributing.
Applying	Carrying out or using procedure through executing and implementing.
Understanding	Constructing meaning from oral, written, and graphic messages through interpreting, exemplifying, classifying, summarizing, inferring, comparing, and explaining.
Remembering	Retrieving, recognizing, and recalling relevant knowledge from long-term memory.

## Module # 1: Basic Map Reading and Land Navigation

**Purpose:** This module will reinforce learning obtained during the corresponding video tutorial. Practical exercises focused on understanding 4, 6, and 8- digit grid coordinates, identification of the 5 major terrain features, topographical symbols, and basic colors of a map.

### Exercise #1: Match the parts of protractor.

Match the appropriate answer with its corresponding color.

1/25,000



1/50,000



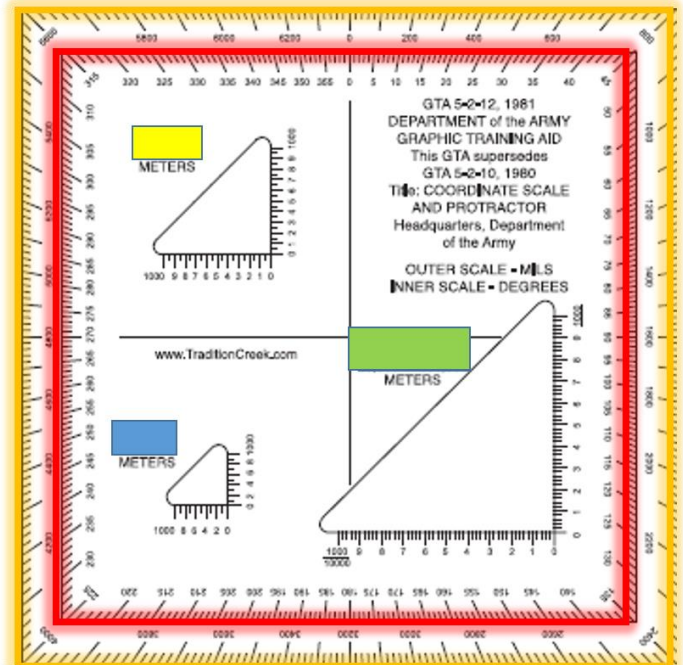
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Degrees Scale

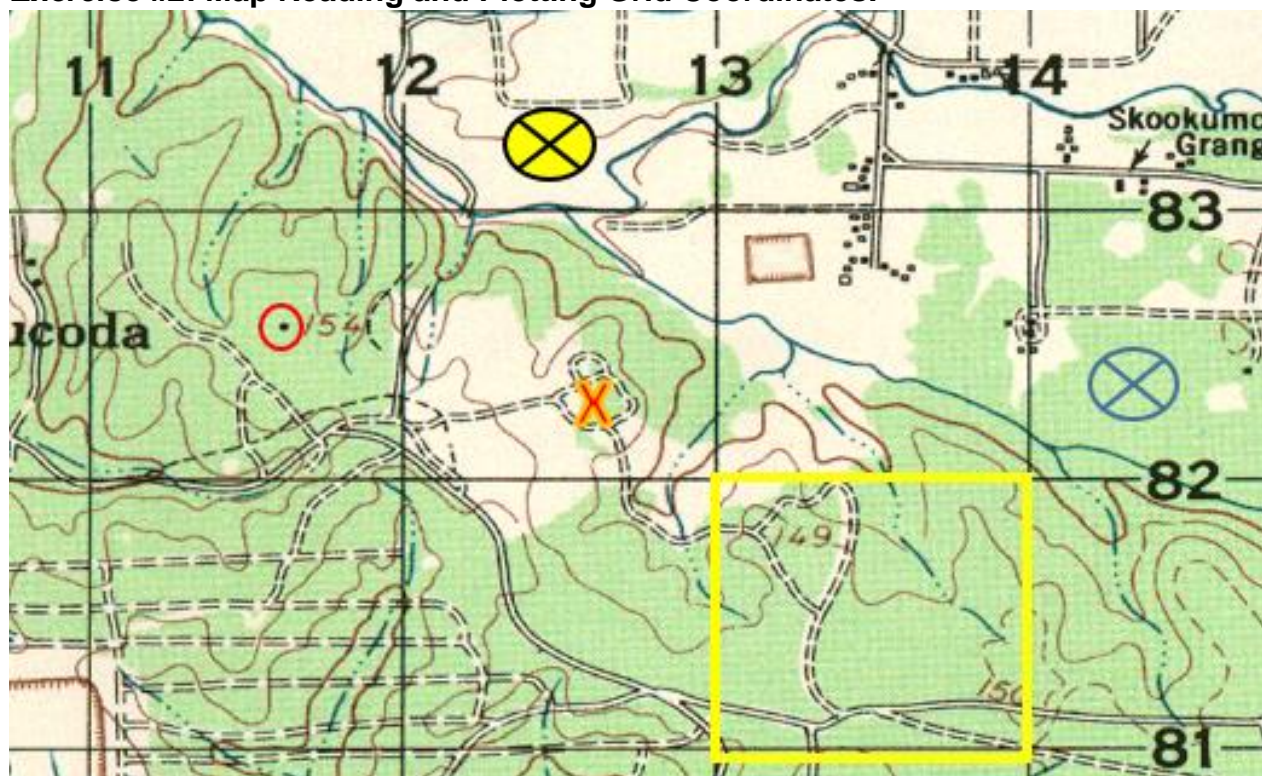


Mils Scale





**Exercise #2: Map Reading and Plotting Grid Coordinates.**



1. What is the 4-digit grid coordinate to the yellow box?
2. What is the 6 digit grid coordinate to hill 154 in the red circle?
3. What is located at grid coordinate 13608330?
4. What terrain feature is located at grid coordinate 133828?
5. What is a 6-digit grid coordinate for the center of the yellow and red "X"?
6. What is an 8-digit grid coordinate for the center of the blue circle "X"?
7. What is an 8-digit grid coordinate for the center of the blue and yellow circle "X"?
8. How many degrees are on a protractor?
9. What are the five major terrain features?
10. How many minor terrain features are there?

**Exercise #3: Match the map colors to the correct definition.**

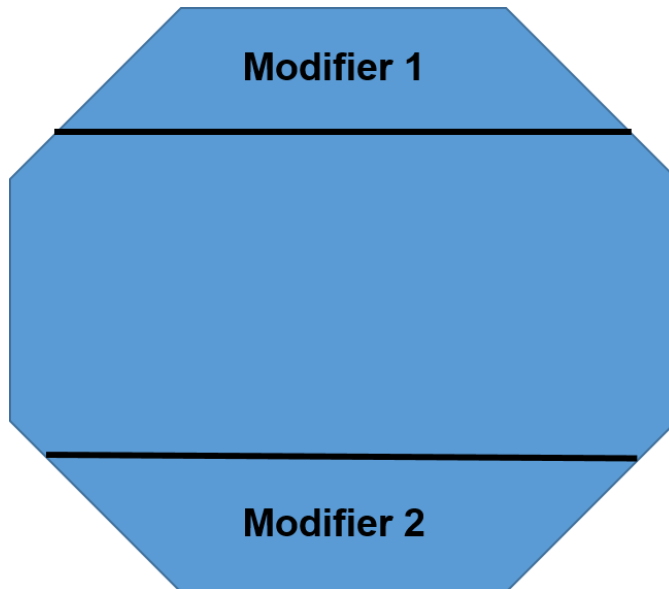
<b>BLACK</b>	Identifies cultural features, all relief features, non-surveyed spot elevations, and elevation such as contour lines on red- light readable maps. The color gray is also used to make maps readable under blue or green light.
<b>Green</b>	Identifies hydrography or water features such as lakes, swamps, rivers, and drainage.
<b>BLUE</b>	Classifies cultural features such as populated areas, main roads, and boundaries on older maps.
<b>BROWN</b>	Identifies all relief features and elevation such as contours on older edition maps, and cultivated land on red-light readable maps.
<b>RED</b>	Indicates cultural (man-made) features such as buildings and roads, surveyed spot elevations, and all labels.
<b>RED-BROWN</b>	Identifies vegetation with military significance such as woods, orchards, and vineyards.

**NOTE: Proceed to the Module #2: Unit Frames, Unit Icons, and Modifiers 1 & 2 Video Learning Tutorial before proceeding to Module #2 in the workbook.**

## Module # 2: Unit Frames, Unit Icons, and Modifiers 1 & 2.

**Purpose:** This module will reinforce learning obtained during the corresponding video tutorial. Practical exercises will introduce the learner to the use of the 1700I Pickett Military Symbols Template and construction of the four type of unit frames.

### **Exercise #1: Basic Unit Frames**



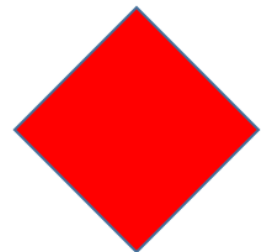
1. What is the name of the symbol above?
2. What does modifier 1 tell us about the symbol?
3. What does modifier 2 tell us about the symbol?
4. What do the colored symbols below represent?



4a. \_\_\_\_\_







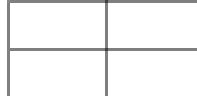

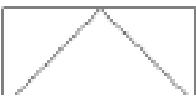









4b. \_\_\_\_\_

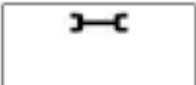



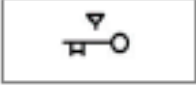

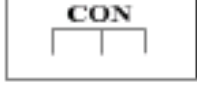


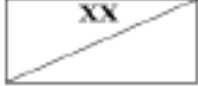





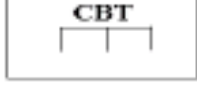



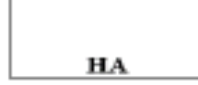




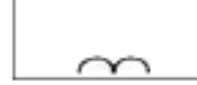

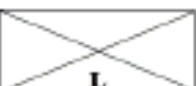







4c. \_\_\_\_\_

**Exercise #2: Identify Main Icons for Unit Frames.**

			
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_____	_____	_____	_____
			
_____	_____	_____	_____
			
_____	_____	_____	_____

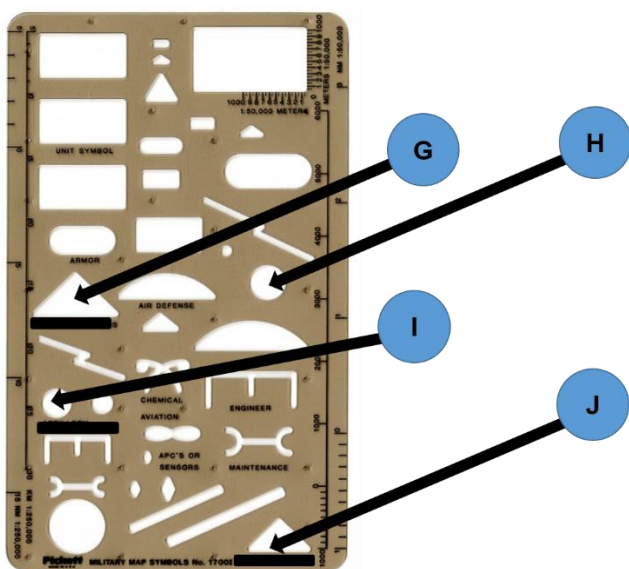
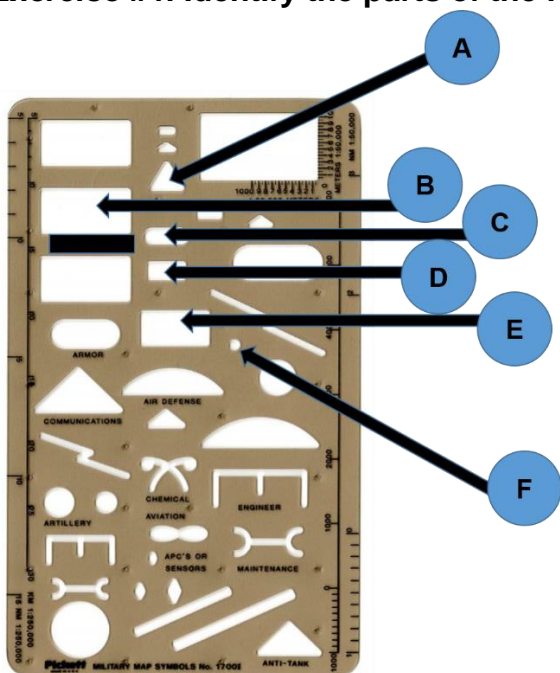
**Exercise #3: Identify these sector one modifiers.**

			
_____	_____	_____	_____
			
_____	_____	_____	_____
			
_____	_____	_____	_____
			
_____	_____	_____	_____

			
_____	_____	_____	_____
			
_____	_____	_____	_____
			
_____	_____	_____	_____
			
_____	_____	_____	_____





















**Exercise #4: Identify the parts of the Pickett 1700i Military Symbols Template.**



















1. \_\_\_\_ “Enemy” symbol; draw half, flip it over and draw the other half.
2. \_\_\_\_ Used for the “GSR” symbol.
3. \_\_\_\_ “Coordination point” or “Air Control Point.”
4. \_\_\_\_ “Axis” arrowhead used for both main and supporting.
5. \_\_\_\_ “Doghouse” for task force and company teams.
6. \_\_\_\_ “Point” frame.
7. \_\_\_\_ “Arty” and “Platoon” ball.
8. \_\_\_\_ “Friendly” unit frame.
9. \_\_\_\_ “Armor” oval.
10. \_\_\_\_ Height of a “Point.”

**Exercise #5: Correctly draw task force and team amplifiers; attached and detached amplifiers; command post and command group amplifiers; and combat effectiveness amplifiers.**







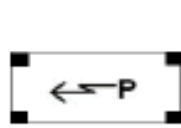

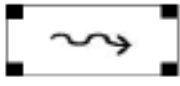

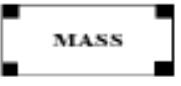
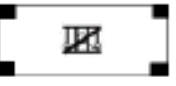
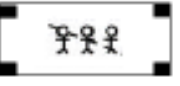



			
<u>Armor Company</u> team amplifier	Infantry battalion task force amplifier	<u>Mechanized infantry</u> BCT task force amplifier	<u>Marine expeditionary</u> brigade task force amplifier
			
<u>Marine infantry</u> Expeditionary task force amplifier	<u>Cavalry attached</u>	<u>Signal detached</u>	<u>Light infantry combat</u> Trains command post
			
<u>Infantry command</u> group	<u>Signal early entry</u> command post	<u>Air defense artillery</u> emergency operations center	<u>Armor forward trains</u> command post

			
<u>Mechanized armor</u> main command post	<u>Light infantry</u> tactical command post	<u>Armored cavalry</u> fully operational	<u>Aviation</u> Substantially operational
			
<u>Combined arms</u> marginally operational	<u>Fixed wing</u> aviation not operational		









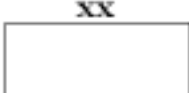
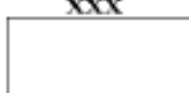


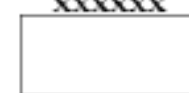
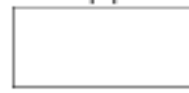
**Exercise #6: Identify main icons, sector 1 and 2 modifiers for installations.**

			
_____	_____	_____	_____
			
_____	_____	_____	_____
			
_____	_____	_____	_____
			
_____	_____	_____	_____

**Exercise #7: Activities: Identify main icons, sector 1 and 2 modifiers for installations.**

			
_____	_____	_____	_____
			
_____	_____	_____	_____
			
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_____	_____	_____	_____

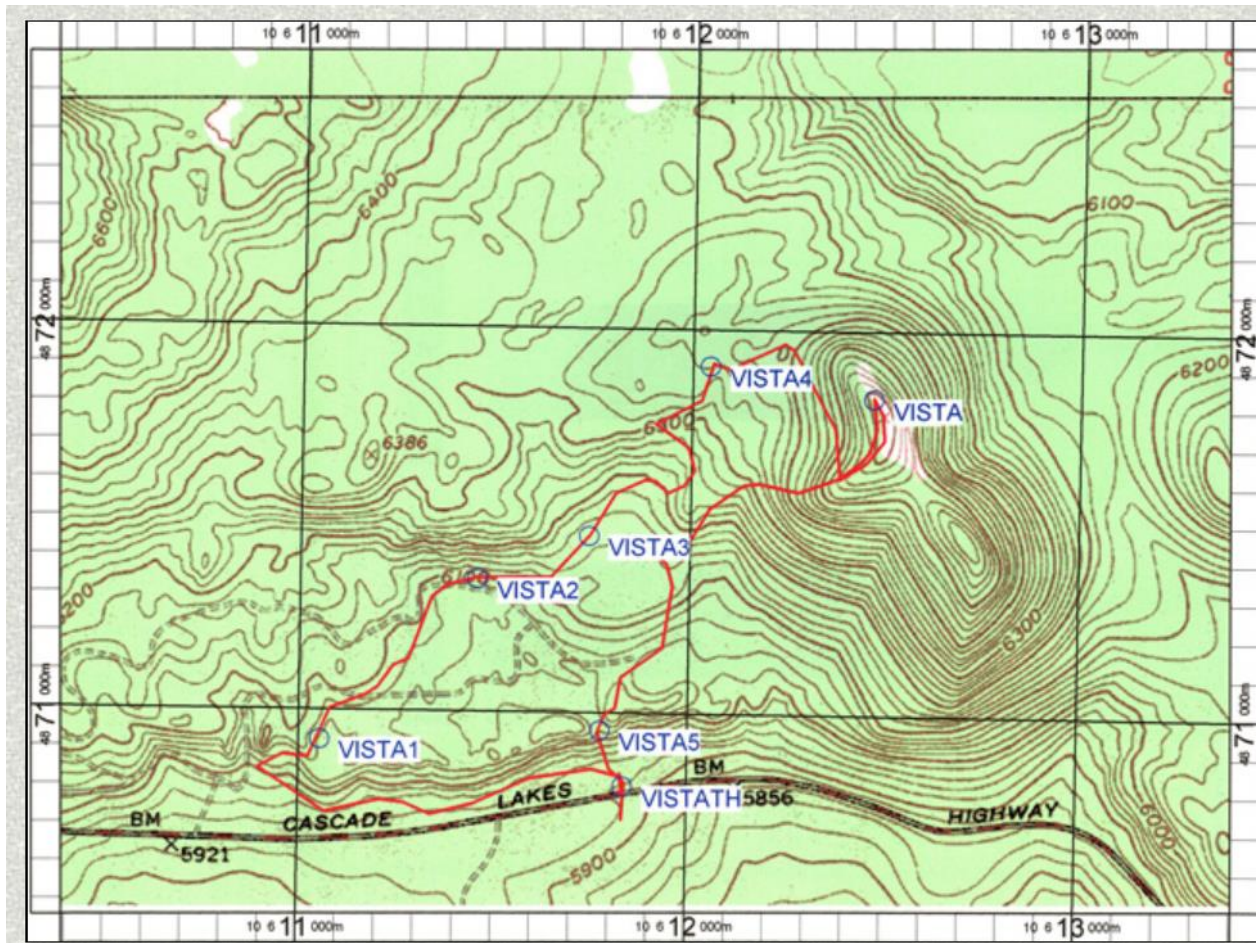
**Exercise #8: Correctly Identify these Echelon Amplifiers.**

 _____	 _____	 _____	 _____
 _____	 _____	 _____	 _____
 _____	 _____	 _____	 _____
	 _____	 _____	

**Exercise #9: Plot Unit Symbols on a Military Map.**

Draw the following unit icons correctly at the grid coordinated provided on the map below.

1. Special troops battalion, 2d brigade combat team, 10<sup>th</sup> mountain division, III corps at grid coordinates 116724.
2. III Marine Expeditionary Force at grid coordinates 117714.
3. C Troop, 2d 1<sup>st</sup> squadron, 11<sup>th</sup> Armored Cavalry Regiment at grid coordinates 131709.
4. 6th Battalion, 37th field artillery regiment, 2d infantry division at grid coordinates 122723.
5. 4th Platoon (mobile gun system), A company, 4th battalion, 23d infantry regiment (Stryker), 2d brigade, 7th infantry division at grid coordinates 117719.
6. Enemy: Tank division at grid coordinates 107706.
7. Enemy: attack aviation squadron at grid coordinates 104709.
8. Enemy: Division artillery, 777 airborne division (air assault) at grid coordinates 119707.
9. Enemy: 4th Platoon (Mobile Gun System), A Company, 4th Battalion 4<sup>th</sup> Infantry Regiment (Motorized), 6th Infantry Division at grid coordinates 115706.
10. Neutral support battalion at grid coordinates 130707.



**NOTE: Proceed to the Module #3: Unit, Individual, and Organizational Symbols Video Learning Tutorial before proceeding to Module #3 in the workbook.**