

# ILLINOIS ARMY NATIONAL GUARD

Marseilles Training Area  
1700 Army Road  
Marseilles, IL 61341-9535

## 106 Land Navigation Course

Ph. (815)795-5701

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MARSEILLES TRAINING AREA  
ADVANCED LAND NAVIGATION COURSE  
106 COURSE

GUIDANCE FOR COURSE OIC/TEST ADMINISTRATOR

I. Materials needed for Advanced Land Navigation Course:

- a. \_\_\_\_\_ MTA 1:25000 scale map
- b. \_\_\_\_\_ lensatic compass
- c. \_\_\_\_\_ protractors
- d. \_\_\_\_\_ pencils
- e. \_\_\_\_\_ pre-made test sheets
- f. \_\_\_\_\_ answer sheet matrixes

II. Instructions for conducting the advanced land navigation course:

There are several pre-made test sheets included in the course binder.

This course is designed to run several relays of students through in a minimal amount of time.

There are also answer sheet matrixes included for easy grading. To use them, simply determine which test sheet the student is using, locate the test answer sheet, and compare the answers to the students test sheet.

It is also important that students have an opportunity to determine their pace counts prior to beginning the course prior to beginning the course.

Finally, the students should be briefed on, or have the opportunity to read, the contents of the student instruction sheet provided.

MARSEILLES TRAINING AREA  
ADVANCED LAND NAVIGATION COURSE  
106 COURSE

STUDENT INSTRUCTION SHEET

COURSE REQUIREMENTS:

**TASK:** Navigate over hilly and wooded terrain between points while dismounted.

**CONDITION:** Given a 1:25000 scale topographic map of Marseilles Training Area, compass, protractor, pencil, and either: (1) an eight digit grid coordinate of the next point or (2) a distance and/or azimuth to the next point.

**STANDARD:** Correctly determine the identification or eight-digit coordinate of all points to which you are directed.

COURSE DESCRIPTION:

This is a five-leg course over hilly and wooded terrain.

COURSE POINT IDENTIFICATION:

There are three sets of stakes. The six stakes in the first set are label SP1 through SP6 are the start points. The second sets of points are label MP1 through MP6. The third sets of points are label INT1 through INT 6.

PACE COUNT:

The pace count course will be marked with white stakes along the start points of this course. These stakes are 50 meters apart. Use these to measure your pace count.

SAFETY:

The panic azimuth is 90 degrees. Following this azimuth will lead you to a hard surfaced road. Once on the paved road, remain in place to be picked up by your unit or range control personnel.

INJURIES:

If you are injured and unable to follow the panic azimuth to the road, call for help. If you come upon someone who is injured, or respond to someone's call for assistance, render required first aid within your capabilities and knowledge. If you are the only person with the injured person, try calling for assistance. If a second person arrives, one of you should stay with the injured person while the other person follows the panic azimuth and gets help. If no one responds within a reasonable period of time, you must judge whether to wait with the person or to get help. If you leave **REMEMBER THE INJURED PERSON'S LOCATION** so you can find it again. **DO NOT IGNORE SOMEONE'S CALL FOR ASSISTANCE** – the safety of your fellow soldiers is more important than completing the course.

PREMATURE TERMINATION:

If for any reason it is determined that conditions are no longer safe for the conduct of the land navigation course, a horn will sound three times in succession. **IMMEDIATELY** follow the panic azimuth to the road and wait for further instructions.

SAFETY CONT...

TEST CONDUCT:

Determine your pace count.

You should be able to perform to standard all skill level 1-4 navigation tasks listed in the Soldier's Manual of Common Tasks.

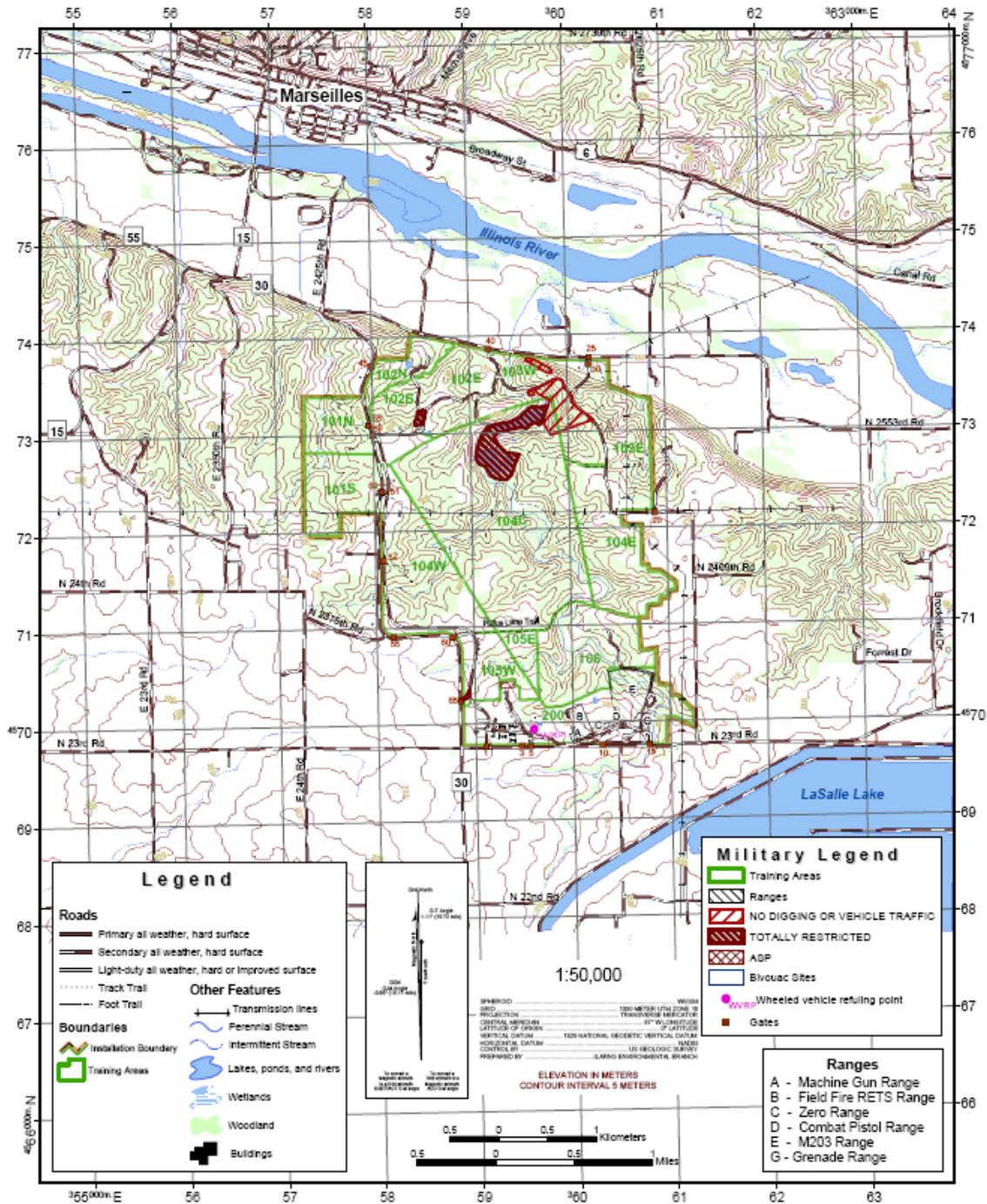
You will be provided with an MTA 1:25000 scale map, a compass, protractor, pencil, and test sheet. The test sheet will direct you from one course point to the next by giving you either an eight digit grid coordinate, a distance and azimuth, or just an azimuth. You will be asked to record either the eight digit grid coordinate or the identification number of the point you have been directed to. Record this information in the appropriate space on the test sheet.

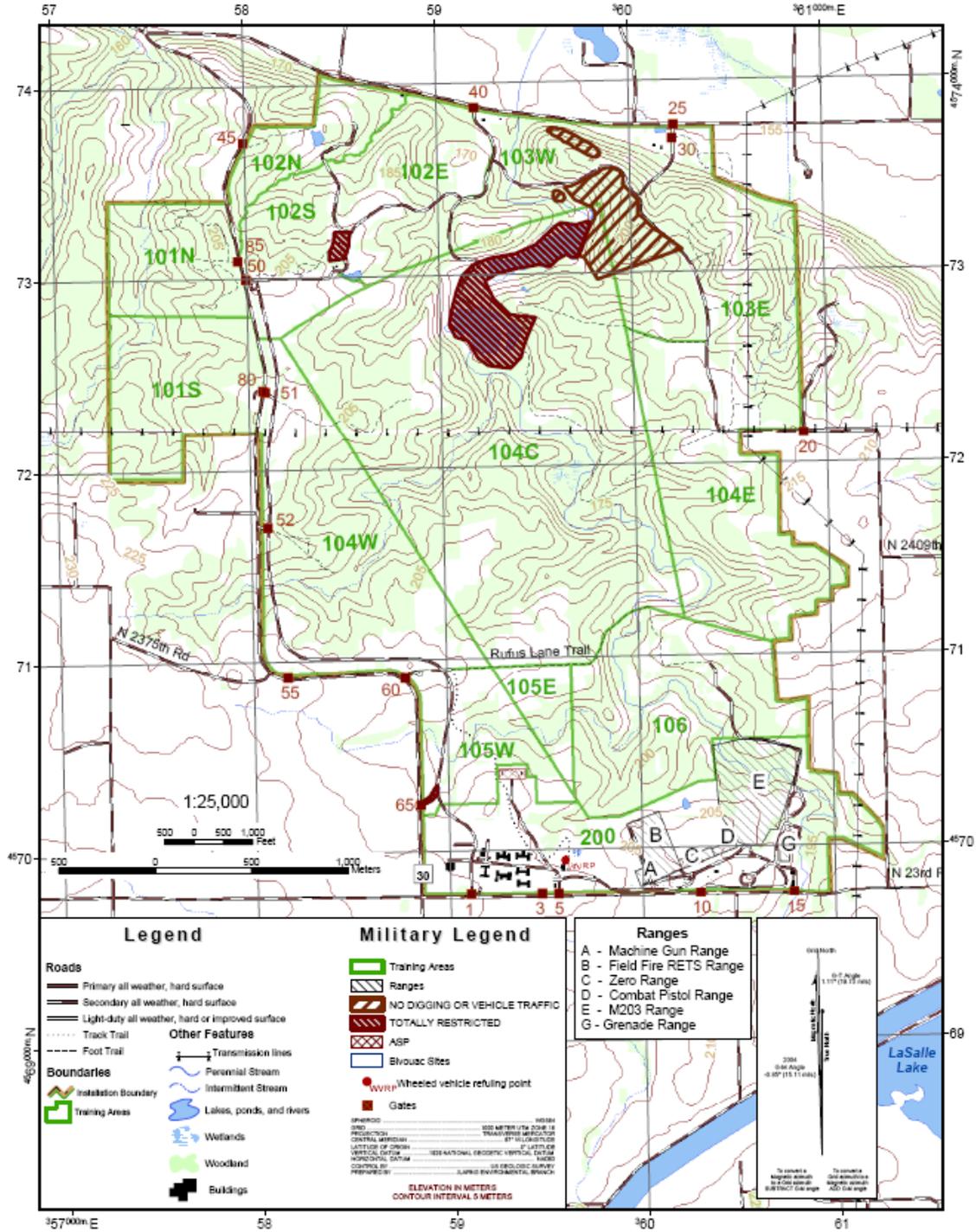
If you reach the last point before time has expired, follow a 270 degree azimuth to the hard surface road and wait for further instructions or to be picked up. Turn in your test sheet to the test administrator.

You will have \_\_\_\_\_ minutes (hours) to complete the course. At the end of this time, a horn will sound three times. Immediately return to the road along the panic azimuth.

Do you know the panic azimuth?

Do you have any questions?





**Legend**

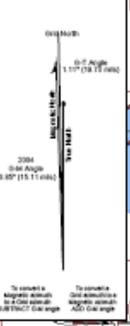
- Roads**
- Primary all weather, hard surface
  - Secondary all weather, hard surface
  - Light-duty all weather, hard or improved surface
  - Track Trail
  - Foot Trail
- Other Features**
- Transmission lines
  - Perennial Stream
  - Intermittent Stream
  - Lakes, ponds, and rivers
  - Wetlands
  - Woodland
  - Buildings
- Boundaries**
- Installation Boundary
  - Training Areas

**Military Legend**

- Training Areas
  - Ranges
  - NO DIGGING OR VEHICLE TRAFFIC
  - TOTALLY RESTRICTED
  - ASP
  - Blivouc Sites
  - WVRP (Wheeled vehicle refueling point)
  - Gates
- SPHEROID: NAD83  
 DATUM: North American Datum of 1983  
 CENTRAL MERIDIAN: 90.00000000  
 LATITUDE OF ORIGIN: 46.00000000  
 FALSE EASTING: 500000.00000000  
 FALSE NORTHING: 0.00000000  
 SCALE FACTOR: 0.9996012717  
 DISTORTION: 0.0000012717
- ELEVATION IN METERS  
CONTOUR INTERVAL 5 METERS

**Ranges**

- A - Machine Gun Range
- B - Field Fire RETS Range
- C - Zero Range
- D - Combat Pistol Range
- E - M203 Range
- G - Grenade Range



# 106 Land Nav Points

## For Marseilles Training Center

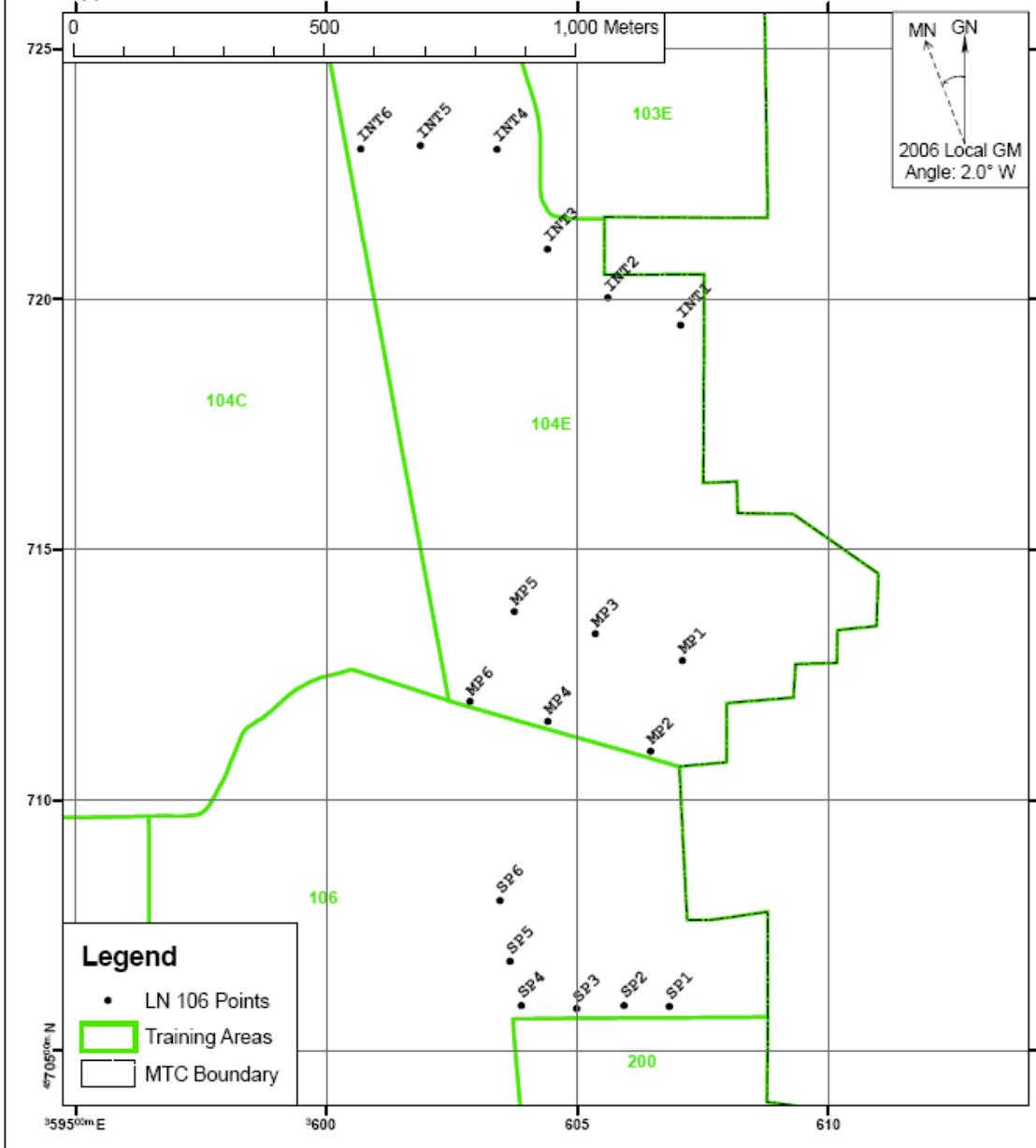
Datum and Projection:  
 WGS84, UTM Zone 16N  
 MGRS Zone: 16T  
 MGRS 100km GZI: CL

Map produced by: James Mortland  
 Map produced on: 11 December 2006

Grid Interval: 500m

Map Edition:  
 DMAIL-MTC-  
 20061211-2

Data Sources:  
 All data from  
 DMAIL-Environmental



**SCORESHEET FOR 106 LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_  
**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60684 70590 (SP1).**

1. Go to UTM 6028 7119 to find your first point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
2. Go to UTM 6070 7195 to find your second point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
3. Go to UTM 6006 7230 to find your third point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
4. Go to UTM 6044 7115 to find your fourth point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
5. Go to UTM 6034 7080 to find your last point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR 106 LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_  
**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60637 70590 (SP2).**

6. Go to UTM 6053 7133 to find your first point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
7. Go to UTM 6006 7230 to find your second point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
8. Go to UTM 6056 7200 to find your third point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
9. Go to UTM 6070 7128 to find your fourth point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
10. Go to UTM 6068 7059 to find your last point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR 106 LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_  
**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60591 70590 (SP3).**

11. Go to UTM 6037 7137 to find your first point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
12. Go to UTM 6034 7230 to find your second point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
13. Go to UTM 6070 7195 to find your third point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
14. Go to UTM 6028 7119 to find your fourth point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
15. Go to UTM 6068 7059 to find your last point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR 106 LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_  
**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60537 70590 (SP4).**

1. Go to UTM 6053 7133 to find your first point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
2. Go to UTM 6018 7230 to find your second point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
3. Go to UTM 6037 7137 to find your third point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
4. Go to UTM 6064 7110 to find your fourth point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
5. Go to UTM 6038 7059 to find your last point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR 106 LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_  
**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60492 70585 (SP5).**

16. Go to UTM 6070 7128 to find your first point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_

17. Go to UTM 6044 7210 to find your second point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_

18. Go to UTM 6018 7230 to find your third point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_

19. Go to UTM 6037 7137 to find your fourth point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_

20. Go to UTM 6059 7059 to find your last point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR 106 LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_  
**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60427 70585 (SP6).**

1. Go to UTM 6045 7110 to find your first point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
2. Go to UTM 6056 7200 to find your second point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
3. Go to UTM 6006 7230 to find your third point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
4. Go to UTM 6044 7115 to find your fourth point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_
5. Go to UTM 6068 7059 to find your last point.  
\_\_\_\_\_ Meters \_\_\_\_\_ degrees (grid) \_\_\_\_\_ degrees (mag)  
Record marking on point here \_\_\_\_\_

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR SOF LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_

**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60684 70590 (SP1).**

1. Go to UTM 6028 7119 to find your first point.  
727 meters 327 degrees (grid) 325 degrees (mag)  
Record marking on point here MP6
  
2. Go to UTM 6070 7195 to find your second point.  
861 meters 30 degrees (grid) 28 degrees (mag)  
Record marking on point here INT 1
  
3. Go to UTM 6006 7230 to find your third point.  
726 meters 299 degrees (grid) 297 degrees (mag)  
Record marking on point here INT 6
  
4. Go to UTM 6044 7115 to find your fourth point.  
1201 meters 162 degrees (grid) 160 degrees (mag)  
Record marking on point here MP 4
  
5. Go to UTM 6043 7059 to find your last point.  
\_\_\_\_ meters \_\_\_\_ degrees (grid) \_\_\_\_ degrees (mag)  
Record marking on point here SP 6

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR SOF LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_

**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60637 70590 (SP2).**

6. Go to UTM 6053 7133 to find your first point.  
\_\_\_meters \_\_\_degrees (grid) \_\_\_degrees (mag)  
Record marking on point here MP 3
  
7. Go to UTM 6006 7230 to find your second point.  
1072 meters 335 degrees (grid) 333 degrees (mag)  
Record marking on point here INT 6
  
8. Go to UTM 6056 7200 to find your third point.  
575 meters 122 degrees (grid) 120 degrees (mag)  
Record marking on point here INT 2
  
9. Go to UTM 6070 7128 to find your fourth point.  
737 meters 169 degrees (grid) 167 degrees (mag)  
Record marking on point here 14
  
10. Go to UTM 6068 7059 to find your last point.  
691 meters 182 degrees (grid) 180 degrees (mag)  
Record marking on point here SP 1

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR 106 LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_  
**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60591 70590 (SP3).**

1. Go to UTM 6037 7137 to find your first point.  
818 meters 345 degrees (grid) 343 degrees (mag)  
Record marking on point here MP 5
2. Go to UTM 6034 7230 to find your second point.  
922 meters 358 degrees (grid) 356 degrees (mag)  
Record marking on point here INT 4
3. Go to UTM 6070 7195 to find your third point.  
506 meters 134 degrees (grid) 132 degrees (mag)  
Record marking on point here INT 1
4. Go to UTM 6028 7119 to find your fourth point.  
861 meters 210 degrees (grid) 208 degrees (mag)  
Record marking on point here MP 6
5. Go to UTM 6068 7059 to find your last point.  
727 meters 147 degrees (grid) 145 degrees (mag)  
Record marking on point here SP 1

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR 106 LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_  
**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60537 70590 (SP4).**

6. Go to UTM 6053 7133 to find your first point.  
\_\_\_ meters \_\_\_ degrees (grid) \_\_\_ degrees (mag)  
Record marking on point here MP 3
  
7. Go to UTM 6018 7230 to find your second point.  
1033 meters 341 degrees (grid) 339 degrees (mag)  
Record marking on point here INT 5
  
8. Go to UTM 6037 7137 to find your third point.  
947 meters 169 degrees (grid) 167 degrees (mag)  
Record marking on point here MP 5
  
9. Go to UTM 6064 7110 to find your fourth point.  
389 meters 136 degrees (grid) 134 degrees (mag)  
Record marking on point here MP 2
  
10. Go to UTM 6038 7059 to find your last point.  
\_\_\_ meters \_\_\_ degrees (grid) \_\_\_ degrees (mag)  
Record marking on point here SP 2

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR 106 LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_

**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60492 70585 (SP5).**

1. Go to UTM 6070 7128 to find your first point.  
727 meters 18 degrees (grid) 16 degrees (mag)  
Record marking on point here MP 1
  
2. Go to UTM 6044 7210 to find your second point.  
862 meters 342 degrees (grid) 340 degrees (mag)  
Record marking on point here INT 3
  
3. Go to UTM 6018 7230 to find your third point.  
327 meters 310 degrees (grid) 308 degrees (mag)  
Record marking on point here INT 5
  
4. Go to UTM 6037 7137 to find your fourth point.  
947 meters 169 degrees (grid) 167 degrees (mag)  
Record marking on point here MP 5
  
5. Go to UTM 6059 7059 to find your last point.  
818 meters 165 degrees (grid) 163 degrees (mag)  
Record marking on point here SP 3

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

**SCORESHEET FOR 106 LAND NAVIGATION COURSE  
MARSEILLES TRAINING AREA**

**SOLDIERS' NAMES:** \_\_\_\_\_ & \_\_\_\_\_  
**UNIT:** \_\_\_\_\_ **DATE TAKEN:** \_\_\_\_\_

**START TIME:** \_\_\_\_\_ **FINISH TIME:** \_\_\_\_\_

**TO MEET SOF STANDARD, YOU MUST CORRECTLY IDENTIFY 3 OF 5 POINTS IN LESS THAN 4 HOURS.**

**YOU ARE ASSIGNED TO THE BLUE LANE**

**NOTE: WHEN DETERMINING AZIMUTHS, REMEMBER TO CONVERT YOUR AZIMUTH USING YOUR GRID-AZIMUTH (G-M) ANGLE. [ To convert a grid azimuth to a magnetic azimuth, subtract the G-M angle (2-1/2 degrees)]**

**YOU ARE AT UTM 60427 70585 (SP6).**

6. Go to UTM 6045 7110 to find your first point.  
\_\_\_ meters \_\_\_ degrees (grid) \_\_\_ degrees (mag)  
Record marking on point here MP 2
7. Go to UTM 6056 7200 to find your second point.  
906 meters 355 degrees (grid) 353 degrees (mag)  
Record marking on point here INT 2
8. Go to UTM 6006 7230 to find your third point.  
575 meters 302 degrees (grid) 300 degrees (mag)  
Record marking on point here INT 6
9. Go to UTM 6044 7115 to find your fourth point.  
1201 meters 162 degrees (grid) 160 degrees (mag)  
Record marking on point here MP 4
10. Go to UTM 6068 7059 to find your last point.  
618 Meters 157 degrees (grid) 155 degrees (mag)  
Record marking on point here SP 1

**SOLDIERS CORRECTLY IDENTIFIED \_\_\_\_\_ OF 5 POINTS  
IN \_\_\_\_\_ HOUR(S) \_\_\_\_\_ MINUTES.**

**SCORE AS: GO NO GO (circle one)**

**REVIEWED AND GRADED BY: \_\_\_\_\_**

MARSEILLES TRAINING AREA

LAND NAVIGATION COURSE

106 COURSE

COMMON TASKS REQUIRED

#071-329-1000	Identify topographic symbols on a military map.....	45
#071-329-1001	Identify terrain features on a map.....	49
#071-329-1012	Orient a map to the ground by map-terrain association.....	61
#071-329-1002	Determine the grid coordinates of a point on a military map using the military grid reference system.....	65
#071-329-1005	Determine a location on the ground by terrain association.....	76
#071-329-1003	Determine a magnetic azimuth using a lensatic compass.....	78
#071-329-1018	Determine direction using field-expedient methods.....	86
#071-329-1008	Measure distance on a map.....	92
#071-326-0515	Select a movement route using a map.....	19
#071-329-1006	Navigate from one point on the ground to another point while dismounted.....	21
#071-329-1009	Convert azimuths.....	29
#071-329-1011	Orient a map using a lensatic compass.....	30
#071-329-1019	Use a map overlay.....	32
#071-329-1004	Determine the elevation of a point on the ground using a map.....	36
#071-329-1014	Locate an unknown point on a map and on the ground by intersection.....	39
#071-329-1015	Locate an unknown point on a map and on the ground by resection.....	42
#071-510-0001	Determine azimuth using a protractor.....	45
#071-510-0002	Compute back azimuths.....	50