MODIFIED LESSON SPECIFICATIONS AND INSTRUCTIONAL GUIDES – TP 1 OF EO M222.02

A-CR-CCP-702/PG-001

EO M222.02 – DESCRIBE BEARINGS

1. **Performance.** Describe Bearings.

2. **Conditions**

   a. Given:

      (1) compass rose;

      (2) supervision; and

      (3) assistance as required.

   b. Denied: N/A.

   c. Environmental: Suitable classroom facility or training area large enough to accommodate the entire group.

3. **Standard.** In accordance with B-GL-382-005/PT-001, the cadet shall describe bearings by identifying the 16 points of a compass.

4. **Teaching Points**

TP	Description	Method	Time	Ref
TP1	Identify and explain the 16 points of a compass, to include: a. the 4 cardinal points; b. the 4 inter-cardinal points; and c. the 8 intermediate points.	Interactive Lecture	10 min	A2-041 (p. 47)

5. **Time**

   a. Introduction/Conclusion: 5 min

   b. Interactive Lecture: 10 min

   c. Total: 15 min

6. **Substantiation.** An interactive lecture was chosen for TP1 to present basic material, orient the cadets to bearings, and to generate interest.

7. **References.** A2-041 B-GL-382-005/PT-001 Canadian Forces. (2006). *Maps, Field Sketching, Compasses and the Global Positioning System*. Ottawa, ON: Department of National Defence.

8. **Training Aids**

   a. Presentation aids (eg, whiteboard/flipchart/OHP) appropriate for classroom/training area;

   b. Topographical map; and

   c. Compass rose.

9. **Learning Aids**

   a. Pencil; and

   b. Compass rose.

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10. **Test Details.** N/A.

11. **Remarks.** N/A.

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A-CR-CCP-702/PF-001

ROYAL CANADIAN ARMY CADETS

RED STAR

INSTRUCTIONAL GUIDE

SECTION 2

EO M222.02 – DESCRIBE BEARINGS

Total Time: 15 min

PREPARATION

PRE-LESSON INSTRUCTIONS

Resources needed for the delivery of this lesson are listed in the lesson specification located in A-CR-CCP-702/PG-001, Chapter 4. Specific uses for said resources are identified throughout the Instructional Guide within the TP for which they are required.

Review the lesson content and become familiar with the material prior to delivering the lesson.

PRE-LESSON ASSIGNMENT

N/A.

APPROACH

This lesson will be presented using the interactive lecture method. The interactive lecture method was chosen as it best allows the instructor to make a semi-formal presentation of the material allowing the cadets to participate by asking or responding to questions, commenting on the material, or participating in short activities. This method appeals to auditory learners, with the potential for active participation in activities that appeal to tactile/ kinaesthetic learners.

INTRODUCTION

REVIEW

N/A.

OBJECTIVES

By the end of this lesson the cadet shall be expected to identify the 16 points of a compass.

IMPORTANCE

It is important for cadets to identify the 16 points on a compass as this will assist them in finding the direction of identifiable landmarks on a map. Cadets will rely on this skill set throughout navigation and expedition training.

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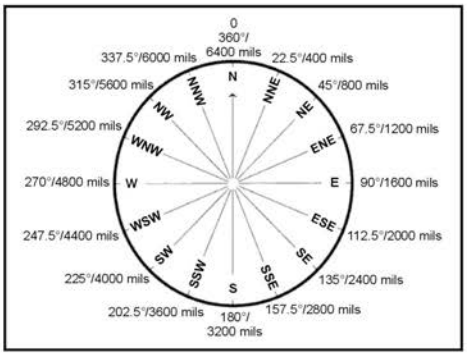
A-CR-CCP-702/PF-001

Teaching Point 1 **Identify and Explain the 16 Points of a Compass**

Time: 10 min Method: Interactive Lecture



Draw a compass rose (circle) on the board with the four cardinal points. Draw a new line each time you introduce the inter-cardinal and intermediate points.



D Cdts 3, 2007, Ottawa, ON: Department of National Defence

Figure 12-2-1 Compass Rose

FOUR CARDINAL POINTS

The four cardinal points of the compass, measured at right angles clockwise are north (N), east (E), south (S) and west (W). They can be easily remembered by the using mnemonics, such as “Never Eat Shredded Wheat”.

FOUR INTER-CARDINAL POINTS

The four inter-cardinal points are located halfway between each of the cardinal points. Measured clockwise, they are:

1. north-east (NE);
2. south-east (SE);
3. south-west (SW); and
4. north-west (NW).

EIGHT INTERMEDIATE POINTS

The eight intermediate points are located halfway between each cardinal point and inter-cardinal point. Measured clockwise, they are:

1. north-north-east (NNE);
2. east-north-east (ENE);
3. east-south-east (ESE);

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4. south-south-east (SSE);
5. south-south-west (SSW);
6. west-south-west (WSW);
7. west-north-west (WNW); and
8. north-north-west (NNW).

CONFIRMATION OF TEACHING POINT 1

QUESTIONS

Q1. What is a mnemonic used to remember the four cardinal points?

Q2. What are the four inter-cardinal points?

Q3. How many intermediate points are there?

ANTICIPATED ANSWERS

A1. “Never Eat Shredded Wheat”.

A2. North-east (NE), south-east (SE), south-west (SW) and north-west (NW).

A3. There are eight intermediate points.

END OF LESSON CONFIRMATION

The cadets’ participation in TP1 will serve as the confirmation of this lesson.

CONCLUSION

HOMEWORK/READING/PRACTICE

N/A.

METHOD OF EVALUATION

N/A.

CLOSING STATEMENT

Being able to identify the 16 points on the compass is an important aspect of navigation training, as it allows cadets to identify direction when travelling from one point to another.

INSTRUCTOR NOTES/REMARKS

N/A.

REFERENCES

A2-041 B-GL-382-005/PT-001 Canadian Forces. (2006). *Maps, Field Sketching, Compasses and the Global Positioning System*. Ottawa, ON: Department of National Defence.

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