EO C321.02 – IDENTIFY SAFETY CONSIDERATIONS WHEN TRAVELLING OVER SNOW AND ICE

1. **Performance.** Identify Safety Considerations When Travelling Over Snow and Ice.

2. **Conditions**

   a. Given:

      (1) Supervision, and

      (2) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Field setting, during daylight hours.

3. **Standard.** The cadet shall identify safety considerations when travelling over snow and ice, to include :

   a. assessing types of snow and ice;

   b. determining weight carrying capacity and holding capacity; and

   c. selecting a route.

4. **Teaching Points**

TP	Description	Method	Time	Ref
TP1	Describe types of snow and ice, to include: a. snow, to include: (1) new fallen snow, (2) powder snow, (3) wind-packed snow, (4) sun crust, (5) corn snow, (6) rotten snow, (7) slush snow, and b. ice, to include: (1) surface ice, (2) candle ice, and (3) lake ice.	Interactive Lecture	20 min	C2-004 (p. 299)
TP2	Discuss characteristics of snow and ice, to include: a. weight-carrying capacity, b. sliding characteristics, and c. holding capacity.	Interactive Lecture	5 min	C2-004 (p. 301)
TP3	Discuss water dangers, to include: a. frozen waterway travel, b. ice route selection, and c. weak ice.	Interactive Lecture	10 min	C2-004 (p. 303, p. 304)

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TP	Description	Method	Time	Ref
TP4	Discuss winter travel, to include: a. basic rules for winter travel, b. use of snowshoes or skis, c. tripping and falling in the snow, d. best time to travel, e. trail selection, and f. dangers of winter travel.	Interactive Lecture	20 min	C2-004 (p. 302–304) C2-012 (p. 13)

5. **Time**

a.	Introduction/Conclusion:	5 min
b.	Interactive Lecture:	55 min
c.	Total:	60 min

6. **Substantiation.** An interactive lecture was chosen for this lesson, as it introduces travelling over snow and ice and generates interest in being outside in the winter.

7. **References**

a. C2-004 (ISBN 1-896713-00-9) Tawrell, P. (1996). *Camping and Wilderness Survival: The Ultimate Outdoors Book*. Green Valley, ON: Paul Tawrell.

b. C2-012 (ISBN 0-89886-643-X) Weiss, H. (1988). *Secrets of Warmth for Comfort or Survival*. Seattle, WA: The Mountaineers.

8. **Training Aids.** N/A.

9. **Learning Aids.** N/A.

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

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

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