EO M290.04 – CONSTRUCT GROUND-TO-AIR SIGNALS

1. **Performance**: Construct Ground-to-air Signals

2. **Conditions**:

   a. Given:

      (1) Shovels;

      (2) Completed ground-to-air signal for demonstration;

      (3) Rope;

      (4) Handout of ground-to-air signals;

      (5) Supervision; and

      (6) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Field setting during the day large enough to accommodate the entire group and signal construction.

3. **Standard**: In accordance with specified references, and as a member of a group of no more than four, the cadet shall construct a ground-to-air signal, by:

   a. selecting a site;

   b. constructing one of the following ground-to-air signals:

      (1) require assistance;

      (2) require medical assistance;

      (3) proceeding in this direction;

      (4) all is well; or

      (5) require food and water; and

   c. disassembling the signal when the lesson is completed.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Discuss ground-to-air signals employed to communicate with aircraft, to include: a. signal dimensions; b. creating contrasting shades, or colours; and c. signals, to include: 1. require assistance; 2. require medical assistance; 3. proceeding in this direction;	Interactive Lecture	15 min	C2-044 C3-003 (p. 233) C3-118

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TP	Description	Method	Time	Refs
	4. all is well; and 5. require food and water.			
TP2	Construct a ground-to-air signal as a member of group of no more than four.	Practical Activity	35 min	

5. **Time**:

a.	Introduction / Conclusion:	10 min
b.	Interactive Lecture:	15 min
c.	Practical Activity:	35 min
d.	Total:	60 min

6. **Substantiation**:

   a. An interactive lecture was chosen for TP1 to introduce methods of signalling to the cadets.

   b. A practical activity was chosen for TP2 as it is an interactive way to introduce cadets to methods of signalling and allows the cadets an opportunity to practice. This activity contributes to the development of survival skills in a fun and challenging setting.

7. **References**:

   a. C2-044 Transport Canada (2007). *Ground-to-Air Signals.* Retrieved 9 February 2007, from http://www.tc.gc.ca/CivilAviation/publications/tp14371/SAS/4-0.htm.

   b. C3-003 (ISBN 1-896713-00-9) Tawrell, P. (1996). *Camping and Wilderness Survival: The Ultimate Outdoors Book.* Green Valley, ON: Falcon Distribution.

   c. C3-118 Wilderness Survival. (2007). *Signalling Techniques.* Retrieved 12 March 2007, from http://www.wilderness-survival.net/chpt19.php.

8. **Training Aids**:

   a. Shovel;

   b. Completed ground to air signal for demonstration;

   c. Rope; and

   d. Handout.

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

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

11. **Remarks**:

   a. All materials used in the construction of ground-to-air signals will be from the surrounding environment.

   b. All ground-to-air signals should be removed and returned to the environment after the completion of the practical activity.

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