



MG5025 – Ground Wilderness Search and Rescue



Introduction

The goal of Search and Rescue is to locate, stabilize and extract individuals in distress. This could be a hiker on the side of a mountain or a trapped disaster survivor, etc. Each area of Search and Rescue employs techniques specific to the circumstance.

A Search and Rescue operation consists of three separate operations: **Size-up** involves assessing the situation and determining a safe action plan. **Search** involves locating victims and documenting their location. **Rescue** involves the procedures and methods required to extricate the victims. We are going to use a modified short version of CERT Light Search and Rescue Operations for this event.

Objective

On the field, we'll search for possible victim(s) and evidence of a plane crash. The team will assess the situation and provide first aid for different wounds. Extraction of the victim(s) will require building a temporary stretcher and navigate through obstacles.

Demonstrate knowledge and use of the following AY honors.

- Basic and advanced First Aid
- Orienteering (Topographic maps)
- Camping skills 1, 2, 3, 4
- Knots and lashes
- Campcraft

Participants

10 Master Guides. For large clubs, 2 teams of 10 can participate.

We highly recommend wearing boots, long pants, long shirts, gloves. The terrain is an open field with long grass and wild weeds.

We recommend carrying a backpack with water and other essentials and using a walking stick.



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Material

We are listing the minimum, but you can bring extra material to be successful in this event.

- Backpacks – to carry the equipment. Multiple backpacks are recommended for weight distribution.
- Material for the stretcher. There are different temporary stretchers. You pick the method (for example, using a tarp, blanket, webbing, rope, jacket, duct tape, etc.) https://www.youtube.com/watch?v=xNA_UwsMSgQ
 - Two (2) 8' feet 2x2 poles depending on the stretcher method used.
 - Two (2) 3' feet 2x2 poles depending on the stretcher method used.
 - One (1) 50 feet ¼ Rope depending on the stretcher method used.
 - Tarp, jacket, duct tape, webbing, or blanket.
- Notebook and pen or pencil
- GPS – 1 minimum (more recommended). A smart phone with a GPS app can work.
- Compass – 1 minimum (more recommended)
- 1 package of ground flags
- First aid kit with bandages and material to stabilize fractures.
 - Twelve (12) triangular bandages (cut diagonally, a squared piece of material, 40 inches).
 - Two (2) 3 X 3 gauze dressing.
 - Two (2) arm splints, (3 inches x 15 Inches), unpadded.
 - Two (2) leg splints (4 inches x 36 inches), unpadded.
 - Four (4) safety pins.
- Material to build a fire.
 - Flint and dry wood of different sizes
 - Container
 - Water bottle with water

Procedure

1. Meet at the starting line by the pond, Look for feather flag #1
2. Debrief and instructions provided in the starting line.
3. The rescue team will receive the approximate location of the accident in GPS coordinates.
4. Each team must figure out the direction and distance to travel to the location.
5. Upon arrival, the team will make a search line and walk forward to search for victim(s) and/or evidence of the plane crash.
6. Each unusual object, for example, metal parts, clothing, bones, etc. found needs to be logged with the following information: name, coordinates, short description, condition.
7. Do not touch or remove the object from the field.
8. Use ground flags to mark the nearby location of the object without disturbing the area. The distance between the flag and the object should be about 1-3 feet.
9. When you find a victim, notify your team members to assess the situation.
10. Call the search leaders over the radio and update them on the victim status and your location.
11. The rescue team will tend to the victims by applying first aid.
12. When the victim is ready for transport, radio for extraction and instructions.
13. When a Master Guide flag is found, further instructions will be inside an envelope on the ground.



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14. The team will go through several obstacles and challenges. The challenges will be questions related to AY honors and/or physical obstacles. Example of a challenge: Explain what is a topographic map?
15. Time will stop when the search team checks back in the starting line.

Training material

[Download](#) the additional training material.

Evaluation and scoring

Maximum Points:

400 points

Time: 80 points

- Less than 40 minutes
- Each minute after

80 points.
- 1 point.

Search and rescue: 100 points

Each object found
Proper logging, and flagging method
Proper searching method

10 points per object (50 max).
5 points per object (25 max).
5 points per object (25 max).

Knowledge: 230 points

Points will be deducted for the following:

- Each error in first aid challenge
- Building the stretcher incorrectly or unsafe
- Transportation
- Not solving a challenge on time or correctly

- 15 points (80 Max)
- 50 points.
- 10 points (20 max)
- 30 points (90 max)