

# INFORMATION ONLY



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### References

- SAR Field Certification Study Guide, published by NM DPS

[http://www.nmsarc.org/resources/FieldCert\\_docs/StudyGuide.pdf](http://www.nmsarc.org/resources/FieldCert_docs/StudyGuide.pdf)

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### Objectives

- Identify the different gear and clothing used and worn on NMSAR missions
- Describe the purpose of different gear and clothing used and worn on NMSAR missions

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# INFORMATION ONLY

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**Overview**

- Why do I need so much stuff?
- Clothing
- Gear
- Extra Equipment

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**Why do I need so much Stuff!**

- New Mexico has a dynamic environment
- Health and Welfare
- Be Prepared

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**Clothing**

- Sturdy hiking boots
- Sturdy work gloves
- Head cover(s)
- Gloves and/or mittens
- Socks (and extras)
- Inner layer (basic underwear, long underwear — bottoms and tops)
- Middle layer(s) for warmth (bottoms and tops)
- Outer layer for wind and water protection (bottoms and top with hood)

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# INFORMATION ONLY

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**Clothing**

- Sturdy hiking boots
  - designed for walking long distances over rough terrain
    - comfort and fit, ankle support, and sole thickness
    - Waterproof
    - Leather
  - work boots or cowboy boots



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**Clothing**

- Sturdy work gloves
  - all leather or leather palmed
  - protection
  - rope rescue



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**Clothing**

- Head cover(s)
  - Protection
    - Falls
    - Sun
    - Cold



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# INFORMATION ONLY

# INFORMATION ONLY

**Clothing**

- Gloves and/or mittens
  - Wind and waterproof
  - Mittens vs. fingered gloves



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**Clothing**

- Socks (and extras)
  - nylon, polypropylene, silk, or wool
- Always have spares!



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**Clothing**

- Layering
  - Inner layer (basic underwear, long underwear — bottoms and tops)
  - Middle layer(s) for warmth (bottoms and tops)
  - Outer layer for wind and water protection (bottoms and top with hood)

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# INFORMATION ONLY

# INFORMATION ONLY

**Clothing**

- Inner layer
  - silk, synthetics, or wool



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**Clothing**

- Middle layer(s)
  - synthetics or wool



Polartec © 100



Polartec © 300

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**Clothing**

- Outer layer
  - breathable wind/ water protective outer layer
  - hooded
  - Wind, waterproof, and breathable pants



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# INFORMATION ONLY

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**Gear**

- Pack or container
- Eye protection
- Food
- Water
- Knife
- Fire starter
- Compass
- Map
- Whistle
- Signal mirror
- Light source
- Personal first aid kit
- Space blanket
- Pencil or pen and paper
- 20 ft of 1 inch tubular webbing or 8mm climbing/rescue cord

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**Gear**

- Pack or container  
– to carry/hold the required gear and clothing



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**Gear**

- Eye protection  
– Wear all the time  
– Brush, trees, sand, snow, & sun



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# INFORMATION ONLY

# INFORMATION ONLY

## Break Time!

- Please be back in your seats in 15 Minutes

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## Gear

- Food  
– for 24 hours



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## Gear

- Water  
– 2 quarts minimum



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# INFORMATION ONLY

# INFORMATION ONLY

**Gear**

- Knife
  - Multi-tool
  - Folding



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**Gear**

- Fire starter



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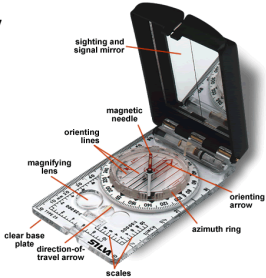

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**Gear**

- Compass
  - with 5 degree accuracy



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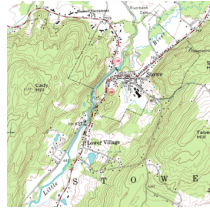
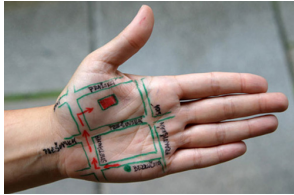
# INFORMATION ONLY



# INFORMATION ONLY

## Gear

- Map of search area



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## Gear

- Whistle
  - Metal not recommended



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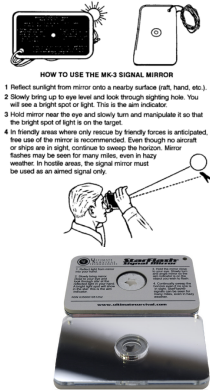
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## Gear

- Signal mirror



**HOW TO USE THE MK-3 SIGNAL MIRROR**

- 1 Reflect sunlight from mirror onto a nearby surface (raft, hand, etc.)
- 2 Slowly bring up to eye level and look through sighting hole. You will see a bright spot of light. This is the aim indicator.
- 3 Hold mirror near the eye and slowly turn and manipulate it so that the bright spot of light is on the target.
- 4 In friendly areas where only rescue by friendly forces is anticipated, use use of the mirror is recommended. Even though no aircraft or ships are in sight, continue to sweep the horizon. Mirror flashes may be seen for many miles, even in hazy weather. In hostile areas, the signal mirror must be used as an armed signal only.

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# INFORMATION ONLY

# INFORMATION ONLY

**Gear**

- Light source
  - flashlight or headlamp
  - plus extra batteries
  - replacement bulbs



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**Gear**

- Personal first aid kit



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**Gear**

- Space blanket



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# INFORMATION ONLY

# INFORMATION ONLY

**Gear**

- Pencil or pen and paper



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**Gear**

- 20 ft of 1 inch tubular webbing or 20 ft of 8mm climbing/rescue cord (kernmantle construction)



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**Extra Equipment**

- Radio and spare batteries
- Watch
- Larger first aid kit (one per team)
- Sunscreen and lip balm with sunscreen
- Bandana
- Shelter (tent, bivvy sack, or tarp)
- Lightweight snow shovel
- Stove and fuel (one per team)
- Trail tape
- Sleeping bag and pad
- GPS receiving unit with spare batteries
- Toiletries
- Identification
- Gaiters
- Pack rain cover

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# INFORMATION ONLY

**INFORMATION ONLY**

Summary

- Why do I need so much stuff?
- Clothing
- Gear
- Extra Equipment

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