

K9 Search and Rescue Team Inc.

35 Railroad Avenue, Dolores, CO, 81323 | (970) 882-4746 | Email: k9@k9team.org

MEMBER STANDARDS

LEVEL II – INTERMEDIATE SAR **LIMITED RESPONSE FIELDED - But Only With Higher Trained Member** **(Final Decision Left To Operations Leader)**

- N- Introduction to Search & Rescue (SAR TECH III Objectives Section I: Paragraph A-D)
 - A. The candidate will be able to describe four parts of physical conditioning for the SAR responder.
 - B. The candidate will be able to describe his or her personal limitations, strengths as a member of a search crew and their importance to SAR personnel.
- N– SAR Management System (SAR TECH III Objectives Section II: Paragraph A)
- N– Basic Survival
 - A. The candidate will be able to list and prioritize the necessities of life.
 - B. The candidate will be able to describe the four parts of the initial response to a life-threatening situation.
 - C. The candidate will be able to define a "comfort zone expander" (to increase one's ability to react positively to stress).
 - D. The candidate will be able to list at least five ways to control fear.
 - E. The candidate will be able to explain the survival situation plan (STOP), Stay, Think, Observe, and Plan.
 - F. The candidate will be able to define "Positive Mental Attitude".
 - G. The candidate will be able to differentiate between the requirements for short-term survival vs. long-term survival.
 - H. The Candidate will be able to define "Defensive Living" (being prepared for today's emergencies) and describe the need for the public to be aware of the concept.
 - I. The candidate will be able to list three situations commonly encountered on SAR missions that may lead to a survival situation.
 - J. The candidate will be able to describe how, in each of the following processes, the human body loses heat:
 - 1. Radiation
 - 2. Conduction
 - 3. Convection
 - 4. Evaporation
 - 5. Respiration
 - K. The candidate will be able to describe the heat production and heat loss balance equation of the human body.
 - L. The candidate will be able to describe the basic water and chemical needs of the human body.
 - M. The candidate will be able to list the average daily food and water requirements of the human body in average, cold, and hot environments.
- N– SAR Clothing
 - A. The candidate will be able to list at least three similarities or differences and at least three advantages or disadvantages of the different natural and synthetic materials used for SAR clothing.
 - B. The candidate will be able to list at least three of the factors concerning heat transfer of clothing due to clothing construction and/or design.
 - C. The candidate will be able to describe the function of each of the following layers of clothing:
 - 1. Underwear layer

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- 2. Clothing layer
 - 3. Insulation layer
 - 4. Shell layer
 - D. The candidate will be able to describe the advantages and disadvantages of the use of clothing that traps and repels vapors.
 - E. The candidate will be able to describe the advantages and disadvantages of the use of constriction in outdoor clothing.
 - F. The candidate will be able to describe the proper clothing to be used in desert and hot environments.
 - G. The candidate will be able to describe the advantages and disadvantages of outdoor footwear.
 - H. The candidate will be able to describe the proper water proofing techniques for footwear.
- N– Improvising
 - A. The candidate will be able to list at least three basic considerations for shelters.
 - B. The candidate will be able to list at least three basic considerations for firecraft.
 - C. The candidate will be able to list at least three basic considerations for signals.
 - D. The candidate will be able to list at least three methods of water purification.
 - E. The candidate will be able to describe criteria used in personal waste disposal.
 - F. The candidate will be able to describe the methods used for personal cleanliness in the outdoors.
 - G. The candidate will be able to construct a fire.
 - H. The candidate will be able to demonstrate the use of signaling using a whistle.
 - I. The candidate will be able to construct a cat hole.
- N– Environmental Hazards and First Aid.
 - A. The candidate will be able to list at least five safety rules for lightning protection.
 - B. The candidate will be able to list at least three safety procedures used during rural or suburban SAR operations.
 - C. The candidate will be able to define, describe the causes, identify at least three of the signs and symptoms, describe the basic treatment procedures, and list the preventive measures for the following:
 - 1. Hypothermia
 - 2. Frostbite
 - 3. Trench foot (immersion foot)
 - 4. Heat cramps
 - 5. Heat exhaustion
 - 6. Heat-stroke
 - 7. Dehydration
 - 8. Blisters
 - 9. Snake bites
 - 10. Insect bites
 - 11. Tick bites
 - 12. Poisonous plants
- N– SAR Ready Pack (See Attachment I, "SAR TECH – Type II Minimum Personal Equipment List")
 - A. The candidate will be able to construct a 24-hour ready pack and demonstrate its use.
 - B. The candidate will be able to explain the difference between a 24-hour ready pack and a rural or suburban ready pack.
 - C. The candidate will be able to describe the importance of adequate pack for SAR.

Level II - Intermediate SAR

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- D. The candidate will be able to list the general contents of a 24-hour ready pack.
- N– Personal Equipment
 - A. The candidate will be able to describe importance of body protection equipment.
 - B. The candidate will be able to describe advantages and disadvantages of the following equipment used for SAR.
 - 1. Ground pads
 - 2. Sleeping bags
 - 3. Shelters
 - 4. Water containers and systems
 - 5. Boots
 - 6. Walking/tracking stick
 - 7. Flashlight/headlight
 - 8. Knife
 - C. The candidate will be able to demonstrate the use of the following:
 - 1. Ground pads
 - 2. Sleeping bags
 - 3. Shelters
 - 4. Water containers
 - 5. Boots
 - 6. Walking/tracking stick
 - 7. Flashlight/headlight
 - D. The candidate will be able to construct a shelter using a plastic tarp.
- N– Travel Skills
 - A. The candidate will be able to describe the components of the general travel skills used for his/her environment during SAR operations.
 - B. The candidate will be able to demonstrate traveling skills used for his/her environment during SAR operations.
 - C. The candidate will be able to describe the preparation and conditioning needed to perform while wearing a SAR ready pack.
- N– Land Navigation and Orienteering (SAR TECH III Objectives Section III: Paragraph A-G)
 - A. The candidate will be able to demonstrate the use of the following terms or concepts:
 - 1. Contour lines
 - 2. True north, grid and magnetic north
 - 3. Declination
 - 4. Determining distances
 - B. The candidate will be able to demonstrate the UTM (Universal Transverse Mercator) Grid System to determine the coordinates for a given point.
 - C. The candidate will be able to demonstrate the ability to obtain a back azimuth.
 - D. The candidate will be able to take bearing in the field and transfer it correctly to the map and obtain a bearing on the map and transfer it correctly to the field.
 - E. The candidate will be able to demonstrate the ability to navigate during daylight hours while wearing a 24-hour pack.
 - F. The candidate shall be able to list three advantages and three disadvantages of using a personal GPS (Global Positioning System) unit during search operations.
- N– SAR Resources (SAR TECH III Objectives Section IV: Paragraph A-D)
 - A. The candidate will be able to list at least three advantages and three disadvantages of five types of operational resources that may be used for SAR.
- N– Search Philosophy (SAR TECH III Objectives Section V: Paragraph A-D)

K9 Search and Rescue Team Inc.

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- A. The candidate will be able to demonstrate the process of estimating POD during search operations.
- N– Search Tactics (SAR TECH III Objectives Section VI: Paragraph A-C, E & F)
 - A. The candidate will be able to differentiate between the two basic categories of search tactics (Passive and Active).
 - B. The candidate will be able to list at least three passive search tactics.
 - C. The candidate will be able to demonstrate at least two of the following primary types of active search tactics:
 - 1. Hasty Search Tactics
 - 2. Efficient Search Tactics
 - 3. Thorough Search Tactics
 - D. The candidate will be able to demonstrate the techniques for at least five of the following methods used for search tactics:
 - 1. Confinement/Containment
 - 2. Hasty Search
 - i. Route
 - ii. Area
 - 3. Sign Cutting
 - 4. Open Line or Grid Search (spacing over 100 ft.)
 - 5. Closed Line or Grid Search (spacing under 100 ft.)
 - 6. Tracking
 - 7. The technique of obtaining one (1) Critical Space
 - E. The candidate will be able to demonstrate the following techniques of searching as a crewmember either during daylight or nighttime hours:
 - 1. Hasty search
 - 2. Sign cutting
 - 3. Open line search (spacing over 100 ft.)
 - 4. Route search
 - F. The candidate will be able to define the following:
 - 1. Control line
 - 2. Guide line
 - 3. Guide right/left
 - 4. Guide person
 - 5. Trail tape/ribbon guide
 - G. The candidate will be able to describe and demonstrate the use of the line search naming systems.
 - H. The candidate will be able to describe and demonstrate at least five searching and tactical skills used by field searchers.
 - I. The candidate will be able to describe the concept and use of Critical Space as a search tool.
- N– Handling Evidence
 - A. The candidate will be able to describe the four procedures for documenting evidence.
 - B. The candidate will be able to describe the considerations for handling evidence associated with the following situations:
 - 1. Crash scenes
 - 2. Dead bodies
 - 3. Injuries
 - C. The candidate will be able to describe and demonstrate the considerations for handling evidence associated with the following situations:
 - 1. Crash scenes
 - 2. Dead bodies
 - 3. Injuries

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- N– Clue Consciousness (SAR TECH III Objectives Section VII: Paragraph A-B)
 - A. The candidate will demonstrate the ability to locate clues during a simulated search mission.
- N– Search Operations
 - A. The candidate will be able to demonstrate searcher preplanning and preparation procedures.
 - B. The candidate will be able to demonstrate the use of procedures and information needed for:
 - 1. Checking in at the incident
 - 2. Crew mission briefing
 - 3. Crew mission debriefing
 - 4. Checking-out of the incident
 - C. The candidate will be able to demonstrate the functions of these search crew positions:
 - 1. Radio Operator
 - 2. Navigator
 - 3. Pacer
 - 4. Search Crew Member
- N– Tracking
 - A. The candidate will be able to define:
 - 1. Track or print
 - 2. Sign
 - 3. Step - by- Step tracking
 - B. The candidate will be able to demonstrate the use of a tracking stick.
 - C. The candidate will be able to demonstrate the method of labeling a track.
 - D. The candidate will be able to demonstrate the procedures used by a tracking crew.
- N– Ropes and Rescue Equipment
 - A. The candidate will be able to list at least two materials used in rope manufacture.
 - B. The candidate will be able to list at least two types of design used in rope.
 - C. The candidate will be able to define the following:
 - 1. Dynamic rope
 - 2. Static rope
 - 3. Lifeline
 - 4. Tubular webbing
 - 5. Flat webbing
 - D. The candidate will be able to list at least five rules of rope etiquette.
 - E. The candidate will be able to list at least two performance standards of a harness.
 - F. The candidate will be able to demonstrate the ability to correctly tie these knots:
 - 1. Figure 8 on a bight
 - 2. Figure 8 bend (follow through) around an object, joining to ropes together
 - 3. Water knot (overhand bend)
 - G. The candidate will be able to list the different advantages and disadvantages of materials used in carabiners.
 - H. The candidate will be able to list the functions of at least two different types of carabiners.
 - I. The candidate will be able to list the procedures used in caring for carabiners.
 - J. The candidate will be able to describe the advantages and disadvantages of at least two types of stretchers or litters.

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- K. The candidate will be able to demonstrate the tying of an improvised harness.
 - L. The candidate should be able to describe the procedures for lifting, lowering, and carrying a litter.
- N– Legal Aspects for the Searcher
 - A. The candidate will be able to describe the basic legal philosophy concerning searcher knowledge, training, physical abilities, equipment, discipline, and control.
 - B. The candidate will be able to describe the legal philosophy of searchers entering private property within his or her community.
- K – First Responder/EMT
 - A. The member will currently be a First Responder or an EMT
OR
 - The member will be currently enrolled in a First Responder or EMT class
OR
 - The member will be scheduled to attend the first conceivable First Responder or EMT class.
- K – GPS
 - A. The member will be able to describe how to retrieve a position from a GPS.
 - B. The member will be able to accurately transmit their UTM or Latitude/Longitude position over the radio.
 - C. The member will be able to describe how to enter a waypoint into the GPS and how to go to that waypoint using the GPS and a compass.
 - D. The member will be able to change the GPS unit from UTM to Lat./Long. and Lat./Long. to UTM.
- K – ELT Basics
 - A. The member will describe what an Emergency Locator Transmitter Beacon is.
 - B. The member will describe how to use a Direction Finding unit.
 - C. The member will describe how to triangulate different bearings from the DF signals.
- K – Basic Water, Ice, and Avalanche Safety
 - A. The member will describe what safety precautions need to be taken while working around water.
 - B. The member will describe what safety precautions need to be taken while working around ice-covered bodies of water.
 - C. The member will describe what safety precautions need to be taken while working in avalanche conditions.
 - D. The member will describe where and how avalanches occur.
- K – Basic Canine First Aid
 - A. The member will describe the "normal" vital signs of a canine.
 - B. The member will describe how hypo- and hyper- thermia presents itself in a canine.
 - C. The member will describe how to treat and care for a canine that has traumatic injuries.
 - D. The member will describe how to perform CPR on a canine.
 - E. The member will describe the signs and symptoms of a canine that has come in contact or ingested poisons.
 - F. The member will describe the decontamination process of a canine that has come in contact with any hazardous substance.
- K – Basic Meteorology
 - A. The member will describe hazardous weather patterns.
 - B. The member will describe what safety precautions that need to be taken during a lightning storm, flash flooding, blizzards, etc...

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- C. The member will describe what weather conditions are favorable to increase the PODs of the dogs.
- K – ICS 200
- K – Team Equipment Placement and Use
 - A. The member will be able to describe and retrieve all the Team's medical equipment.
 - B. The member will describe what the Team's medical equipment is used for.
 - C. The member will know what all other Team equipment is used for and describe the location of such.

PREREQUISITES

- Level III
- Current CPR Provider C
- Required Equipment for Level
- Passing written test score
- Passing ICS 100 score
- Passing evaluated field test

REQUIREMENTS TO ADVANCE

- Passing score for ICS 200
- Current First Responder or EMT certificate
- Passing written test score
- Passing evaluated field test
- Required Equipment for Level

TESTING

- Written Test – 70%
- ICS 200 Test
- Field Test – Evaluated

Minimum Canine Standards That Need To Be Met Before Fielding:

- Tracking/Trailing - Level III & Beginning Level II
- Air-Scenting - Level