



RAT-SAR NASAR Search and Rescue Training Programs



SARTECH III – INTRO TO SAR

The SARTECH III level of certification is the beginning level for SAR personnel. This level is recommended for any person who responds to and functions on SAR missions. Preparation for the STIII test can be accomplished through self-study of the Introduction to SAR Textbook and/or attending an Intro to SAR course.

[Suggested Textbook](#) Textbook price: NASAR members - \$20.95. Non-NASAR Members - \$35.95

[NASAR SARTECH III Online Exam](#) Exam price: NASAR members - \$55.00. Non-NASAR Members - \$70.00

If you successfully pass the test, you will be able to print your own certificate after the test. If you want a certificate with an embossed NASAR seal or patches or rockers, please contact the bookstore: www.nasar.org.

FUNSAR / SARTECH II Certification

The Fundamentals of Search and Rescue (FUNSAR) course is the second, intermediate level of NASAR courses. It provides knowledge concerning the general responsibilities, skills, abilities, and the equipment needed by persons who are assigned to field operations during a SAR mission.

The FUNSAR course also provides the student with practical exercises in addition to a practice search mission where the students are required to have the proper equipment and stay out in the field during daylight and night time operations. The course content includes topics in three major areas: survival, support, search and rescue. This course is based around the rural and wilderness environments but the material is recommended as a basis for all SAR environments.

FUNSAR provides a common point in training for the new person to SAR and allows them to accumulate the required clothing and equipment needed for SAR operations in their community. The course also provides practical experience during simulated SAR operations and in many cases is an excellent refresher course for the more experienced SAR worker. This common starting point provides continuity during SAR operations and future training of all team members.

FUNSAR is the NASAR course designed to prepare the student to challenge the SARTECH II certification exam, according to the knowledge objectives defined in the NASAR certification criteria for SARTECH II.

The recommended number of hours for the course is (47) forty-seven. The course is usually conducted over two weekends starting on Friday night but can be taught (5) five days straight.

Who Should Attend:

- Those interested in becoming involved or have just become involved with search and rescue operations.
- SAR personnel who would like to maintain or refresh their knowledge of search and rescue.
- Emergency response personnel who belong to organizations who provide resources and assistance during search and rescue missions.
- Managers of emergency response organizations who want to understand the state-of-the-art skills and knowledge needed by the SAR workers.
- Community members and groups (scouts, hunters, hikers, etc.) that have an interest in safety and preventative SAR operations.

Prerequisites:

While not required, the Introduction to Search and Rescue/SARTECH III course (above) is recommended as a prerequisite for FUNSAR.

The study of the Fundamentals of Search and Rescue textbook is highly suggested before taking the FUNSAR course.

[Order the FUNSAR textbook](#) Textbook price: NASAR members - \$49.95. Non-NASAR Members - \$79.95

Although highly recommended, the FUNSAR course is not required to challenge the SARTECH II certification exam. The written exam given at the conclusion of the FUNSAR class is the written SARTECH II exam. Provided the student passes the written SARTECH II exam at the conclusion of the FUNSAR class, AND takes the SARTECH II certification exam within a year, the student is not required to retake the written exam at the time of the SARTECH II certification exam. They only are required to take and pass the six (6) SARTECH II practical stations to earn their SARTECH II certification (detailed below).

Topics:

- Review of SAR Management System
- Fitness, Basic Survival and Survival Body Management
- Clothing and Personal Protection Systems for SAR
- Emergency Survival Skills
- Improvising Environmental Hazards and Survival First Aid SAR Ready Pack
- Nomenclature of Personal Outdoor Equipment
- SAR Travel Skills
- Land Navigation and Orienteering
- SAR Resources
- Capabilities
- Search Philosophy
- Estimating POD

- Search Tactics and Searcher Skills
- Handling Evidence
- Review of Clue Consciousness
- SAR Crew Responsibilities
- Tracking Skills
- Rope and Rescue Equipment
- Legal Aspects for Searchers

After Completion:

Upon successful completion of the FUNSAR course, the student should be able to:

- Define the components of SAR operations
- List the major responsibilities for search and rescue
- Describe the components of ICS and their functions
- List and prioritize the necessities of life
- Explain the survival situation plan (STOP) Stay, Think, Observe, Plan
- List the similarities or differences and advantages or disadvantages of the different natural and synthetic materials used for SAR clothing
- Describe and demonstrate the function of each of the layers of clothing
- Differentiate between a 24-hour ready pack and urban ready pack
- Demonstrate the use of a 24-hour ready pack
- Describe advantages and disadvantages of the equipment used for SAR
- Demonstrate the use of personal SAR equipment
- Demonstrate traveling skills used for his/her environment
- Define, describe, and identify the signs and symptoms, and describe the treatment of common medical emergencies during SAR operations
- List and differentiate between at least three types of maps used in SAR
- Identify, define, and demonstrate the use of the topographical maps
- Define the plotting methods or grid systems and demonstrate the ability to use them to determine the coordinates for a given point
- Describe the parts of the compass and demonstrate the ability to use it
- Describe the navigational functions used in map and compass
- Demonstrate the ability to navigate during daylight and nighttime hours
- Differentiate between the two basic categories of search tactics (Passive and Active)
- Describe the primary types of active search tactics
- Describe the techniques and methods used for search tactics
- List and demonstrate at least five of the searching or tactical skills needed by field searchers
- Explain why SAR personnel search for clues not subjects
- List the information needed by the searcher when alerted
- Define and demonstrate the functions of the search crew positions
- Define track or print, sign, and step-by-step tracking as well as demonstrate the step-by-step tracking procedures
- List at least two materials used in rope and at least two types of design used in rope, as well as list at least five of the rules of rope etiquette

- List the different advantages and disadvantages of materials used in carabiners
- Describe the advantages and disadvantages of at least two types of stretchers or litters
- List at least five common radio procedures and guidelines
- Describe the basic legal philosophy concerning searcher knowledge, training, physical abilities, equipment, discipline, and control.

SARTECH II Examination and Certification

The SARTECH II examination consists of a written exam and a practical exam. The written exam includes one hundred and forty-five (145) questions covering the candidate's knowledge of search and rescue. A passing grade is 70% (102 correct answers) or above. This is the same exam given at the conclusion of a FUNSAR class. *Beginning in 2021, NASAR is requiring Wilderness First Aid (or higher) medical certification for SARTECH II certification. RAT-SAR also requires FEMA ICS-100 and ICS-700 before certifying any student.*

Upon passing the written exam, the candidate is then required to successfully complete a six-station practical exam. Should the candidate not successfully complete all of the practical exam stations, only the stations that are failed need be repeated if this is done within one year of the original testing date. The re-testing may be completed at any subsequent SARTECH II evaluation. If the retesting is done within the one year of the original testing date, no additional payment to NASAR is required. However, a host organization may charge a reasonable fee to cover the costs of hosting the repeat examination. If an additional retest is needed, the NASAR fee is collected. (One NASAR fee covers the original exam and retest, if needed.)

The written exam includes questions from the following topics:

- NIMS Incident Command System
- Basic Survival
- SAR Clothing
- Improvising
- Environmental Hazards and First Aid
- SAR Ready Pack
- Personal Equipment
- Travel Skills
- Land Navigation & Orienteering
- SAR Resources
- Search Philosophy
- Search Tactics
- Handling Evidence
- Clue Consciousness
- Search Operations
- Tracking
- Ropes & Rescue Equipment
- Legal Aspects for the Searcher

The candidate's performance of SAR skills is evaluated at six practical exam stations involving:

- Station #1: Land Navigation: Use of topographic maps and compass. Candidates complete a course over terrain commonly encountered in the operations area in a specified time frame, not to exceed 600 meters.
- Station #2: Tracking: Candidates identify and mark a footprint track left by the evaluator and follow the track to its end.
- Station #3: 24-hour Pack: *This used to be a required station – it isn't any longer.* Candidates should carry the basic survival and safety supplies for their environment and the items to complete the stations.
- Station #4: Rope Skills: Candidates demonstrate the ability to tie four basic knots and a harness with supplied rope and webbing.
- Station #5: Route Search: This station entails locating and labeling clues in a given area demonstrating the ability to detect 50% of the clues using a route search tactic.
- Station #6: Area Search: This station entails locating and labeling clues in a given area demonstrating the ability to detect 50% of the clues using an area search tactic.

SAR Initial Actions (SARIA)

This class prepares responders for the first 4-8 hours of a missing person search. SARIA discusses tactics, resources and planning with tabletop exercises from actual cases. This class is for all persons who are involved in initial response to an incident (SAR, law enforcement, fire and rescue, emergency management, etc.)

Mounted SARTECH III Exam

This exam is for mounted units and can be completed online without classroom instruction. It is suggested that all mounted units take the FUNSAR course (above) and get SARTECH II certified, then certify via the [Online Mounted SARTECH III Test](#).

NASAR Pricing

(These prices do not include training or textbook costs)

DESCRIPTION	PRICING		
	INDIVIDUAL OR ORGANIZATION NASAR MEMBER	NON-MEMBER	MEMBERSHIP & COURSE DEAL (includes a 1 year NASAR membership - \$20 savings)
A Single Course or Certification	\$55	\$70	\$110
FUNSAR and SARTECH II Combined	\$80	\$110	\$140
ISAR and SARTECH III Combined	\$65	\$80	\$120
Special Price – Initial Actions (IA) Course	\$30	\$30	\$85
Total Amount Due			

About NASAR

The National Association For Search And Rescue (NASAR) has been in existence since 1972. Originally started to represent the State Search and Rescue Coordinators, NASAR grew to represent all SAR volunteers and continues to support the State Search And Rescue Coordinators Committee (SSARCC). NASAR uses standards developed by ASTM, NFPA, DHS, FEMA, and other respected bodies to build education courseware, publications, and certifications. Government agencies and non-profit Search And Rescue Teams use NASAR's material and certifications to build credentialing programs for their organizations and produce highly skilled searchers that work within their communities and are available for mutual aid regionally and nationally. NASAR is a Virginia Non-Profit and Federal 501(C)3 which welcomes your donations to assist us in training searchers for your community.

You may contact NASAR at:

PO Box 232020
Centreville, VA 20120-2020
(877)-893-0702
info@nasar.org

About Randall's Adventure & Training Search and Rescue (RAT-SAR)

RAT-SAR is a 501(c)(3) regional search, rescue, and training organization incorporated under the laws of the State of Alabama. We currently operate and have provided mutual aid to AHJs in Alabama, Georgia, Tennessee, North Carolina and the Great Smoky Mountains National Park. RAT-SAR is founded on the Mountain Rescue / Alpine principles of self-sufficient, mobile teams trained to operate for extended periods of time in remote wilderness, mountainous, high angle, subterranean and other austere environments. **RAT-SAR does not charge for its services.**

The RAT-SAR team includes a physician assistant (PA), EMT's, wilderness medics (WFR), rope rescue technicians, cave rescue technicians, swiftwater rescue technicians, land search technicians, wide area search personnel, and NASAR SARTECH I & II personnel. RAT-SAR works as a stand-alone team or attached to other teams operating under an Incident Command System.

RAT-SAR stands ready to assist AHJs with the following: Wilderness Land Search, Backcountry Technical Rescue, Mountain Rescue, Cave Rescue and Team Training.

You may contact RAT-SAR at:

PO Box 105
Gallant, AL 35972
(256)-458-3184
info@ratsar.org

COMMERCIAL GENERAL LIABILITY DECLARATIONS

Arch Insurance Company Harborside 3, 210 Hudson St, Suite 300 Jersey City, NJ 07311-1107 Phone: 866-413-5550	McNeil & Company, Inc. P.O. Box 5670 20 Church Street Cortland, NY 13045
NAMED INSURED: <u>Randall's Adventure & Training Search & Rescue</u> <u>100 Randall Rd</u> MAILING ADDRESS: <u>Gallant, AL 35972</u> POLICY PERIOD: FROM <u>10/04/2019</u> TO <u>10/04/2020</u> AT 12:01 A.M. TIME AT YOUR MAILING ADDRESS SHOWN ABOVE	

IN RETURN FOR THE PAYMENT OF THE PREMIUM, AND SUBJECT TO ALL THE TERMS OF THIS POLICY, WE AGREE WITH YOU TO PROVIDE THE INSURANCE AS STATED IN THIS POLICY.

LIMITS OF INSURANCE		
EACH OCCURRENCE LIMIT	<u>\$1,000,000</u>	
DAMAGE TO PREMISES		
RENTED TO YOU LIMIT	<u>\$100,000</u>	Any one premises
MEDICAL EXPENSE LIMIT	<u>\$5,000</u>	Any one person
PERSONAL & ADVERTISING INJURY LIMIT	<u>\$1,000,000</u>	Any one person or organization
GENERAL AGGREGATE LIMIT		<u>\$3,000,000</u>
PRODUCTS/COMPLETED OPERATIONS AGGREGATE LIMIT		<u>\$3,000,000</u>

RETROACTIVE DATE (CG 00 02 ONLY)
THIS INSURANCE DOES NOT APPLY TO "BODILY INJURY", "PROPERTY DAMAGE" OR "PERSONAL AND ADVERTISING INJURY" WHICH OCCURS BEFORE THE RETROACTIVE DATE, IF ANY, SHOWN BELOW.
RETROACTIVE DATE: <u>None</u>
(ENTER DATE OR "NONE" IF NO RETROACTIVE DATE APPLIES)

DESCRIPTION OF BUSINESS
FORM OF BUSINESS:
<input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> JOINT VENTURE <input type="checkbox"/> TRUST
<input type="checkbox"/> LIMITED LIABILITY COMPANY <input checked="" type="checkbox"/> ORGANIZATION, INCLUDING A CORPORATION (BUT NOT INCLUDING A PARTNERSHIP, JOINT VENTURE OR LIMITED LIABILITY COMPANY)
BUSINESS DESCRIPTION: <u>Search and Rescue</u>