

# Search and Rescue Technician Level II (SARTECH II) Practice Test (Sample)

## Study Guide



**Everything you need from our exam experts!**

**This is a sample study guide. To access the full version with hundreds of questions,**

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# Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

# How to Use This Guide

**This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:**

## 1. Start with a Diagnostic Review

**Skim through the questions to get a sense of what you know and what you need to focus on. Don't worry about getting everything right, your goal is to identify knowledge gaps early.**

## 2. Study in Short, Focused Sessions

**Break your study time into manageable blocks (e.g. 30 - 45 minutes). Review a handful of questions, reflect on the explanations, and take breaks to retain information better.**

## 3. Learn from the Explanations

**After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.**

## 4. Track Your Progress

**Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.**

## 5. Simulate the Real Exam

**Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.**

## 6. Repeat and Review

**Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning.**

## 7. Use Other Tools

**Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.**

**There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly — adapt the tips above to fit your pace and learning style. You've got this!**

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## **Questions**

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- 1. What does "Kernmantle" refer to in rescue rope manufacturing?**
  - A. Outer sheath of a rope**
  - B. Core in sheath**
  - C. Type of knot**
  - D. Rope stretching**
  
- 2. What is the primary purpose of using tactics such as containment during search operations?**
  - A. To locate the subject quickly**
  - B. To control and minimize area of search**
  - C. To gather evidence efficiently**
  - D. To ensure safety of searchers**
  
- 3. What is the primary ingredient used in manufacturing rescue rope?**
  - A. Nylon**
  - B. Polyester**
  - C. Hemp**
  - D. Polypropylene**
  
- 4. Who is primarily responsible for issuing an Amber Alert?**
  - A. Local media**
  - B. Social media platforms**
  - C. Law enforcement agencies**
  - D. Community organizations**
  
- 5. A hasty search requires what to be effective?**
  - A. Extensive resources**
  - B. A large search area**
  - C. Minimal resources**
  - D. Team of untrained volunteers**

**6. What is the recommended distance searchers should keep between each other on most trails?**

- A. 2 to 4 feet**
- B. 4 to 6 feet**
- C. 6 to 10 feet**
- D. 10 to 12 feet**

**7. Why is it important to maintain a proper distance from other searchers?**

- A. To avoid getting lost**
- B. To minimize distractions during tracking**
- C. To optimize communication effectiveness**
- D. To ensure safety and maximize visibility of tracks**

**8. What technique involves systematically circling the subject's last known point to find clues?**

- A. Search outlining**
- B. Track monitoring**
- C. Sign cutting**
- D. Clue tracking**

**9. Engendered reliance refers to a legal obligation due to what circumstance?**

- A. Providing services without consent**
- B. Encouragement of customer reliance on services**
- C. Failure to disclose risks associated with services**
- D. Offering services in multiple jurisdictions**

**10. Which of the following is considered planning data?**

- A. Logistical resources**
- B. Theoretical and search data**
- C. Volunteer availability**
- D. Equipment inventory**

## **Answers**

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1. B
2. B
3. A
4. C
5. C
6. C
7. D
8. C
9. B
10. B

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## **Explanations**

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## 1. What does "Kernmantle" refer to in rescue rope manufacturing?

- A. Outer sheath of a rope
- B. Core in sheath**
- C. Type of knot
- D. Rope stretching

"Kernmantle" refers specifically to the structure of a type of rope that is composed of two distinct parts: the core (kern) and the outer sheath (mantle). In this design, the core provides the majority of the rope's strength, while the outer sheath offers protection from abrasion and environmental wear. This combination allows kernmantle ropes to maintain a high strength-to-weight ratio while also providing flexibility and durability. The core is typically made from high-strength fibers, making it essential for the overall strength of the rope. The sheath, while it doesn't contribute as much to the rope's strength as the core, plays a vital role in protecting the core from damage and enhancing the rope's handling characteristics. This unique construction is particularly important in rescue operations, where both strength and reliability are critical. Understanding the kernmantle construction is crucial for those involved in search and rescue, as it impacts the performance and safety of the rope during rescue scenarios.

## 2. What is the primary purpose of using tactics such as containment during search operations?

- A. To locate the subject quickly
- B. To control and minimize area of search**
- C. To gather evidence efficiently
- D. To ensure safety of searchers

The primary purpose of using tactics such as containment during search operations is to control and minimize the area of search. This approach is crucial because it allows search teams to effectively narrow down the search area based on the last known location of the subject or any other relevant information. By confining the search effort to a smaller, more manageable area, teams can more efficiently allocate their resources and personnel, thereby increasing the likelihood of successfully locating the individual. Containment also serves to prevent the subject from leaving a defined area, which is particularly important if the individual may be disoriented or in need of assistance. This tactic can enhance the overall effectiveness of the search operation by allowing for a concentrated effort, reducing the risk of missing the subject due to a wide-ranging search area. Additionally, while tactics such as ensuring the safety of searchers, gathering evidence, and locating the subject quickly are important components of search operations, the specific function of containment is fundamentally about managing and refining the search area to optimize the chances of success.

### 3. What is the primary ingredient used in manufacturing rescue rope?

- A. Nylon**
- B. Polyester**
- C. Hemp**
- D. Polypropylene**

The primary ingredient used in manufacturing rescue rope is nylon. This material is favored for its unique combination of strength, elasticity, and durability. Nylon has a high tensile strength, which allows it to support heavy loads without breaking. Additionally, its elasticity provides shock absorption, reducing the risk of sudden impacts that can occur during a rescue operation. Nylon ropes are also resistant to abrasion and have good resistance to UV light, which contributes to their longevity in various environmental conditions. When choosing materials for rescue applications, it's essential to prioritize properties that ensure safety and effectiveness, making nylon a suitable choice for rescue ropes. In contrast, while other materials like polyester and polypropylene have their uses in different contexts, they do not match nylon in terms of overall performance characteristics required for rescue operations. Hemp, although historically used in various applications, is not as strong as synthetic fibers like nylon and has limitations in moisture resistance and durability.

### 4. Who is primarily responsible for issuing an Amber Alert?

- A. Local media**
- B. Social media platforms**
- C. Law enforcement agencies**
- D. Community organizations**

The primary responsibility for issuing an Amber Alert falls to law enforcement agencies. This alert system is designed to quickly disseminate information about a child abduction to solicit assistance from the public in locating the missing child and apprehending the suspect. Law enforcement is equipped to make this determination based on specific criteria, such as the belief that a child has been abducted and is in imminent danger. While local media, social media platforms, and community organizations play important roles in helping to spread the information once the Amber Alert is issued, it is law enforcement that initiates the alert based on the urgency and specific circumstances of the case. This procedure ensures that alerts are consistent and that potential false alarms are minimized, thus maintaining public trust in the system.

## 5. A hasty search requires what to be effective?

- A. Extensive resources**
- B. A large search area**
- C. Minimal resources**
- D. Team of untrained volunteers**

A hasty search is primarily characterized by its urgency and the need for rapid deployment to locate a missing person or item. To be effective, it requires minimal resources because the goal is to mobilize quickly with whatever assets are immediately available. In a hasty search, the focus is on quick reconnaissance and initial assessment rather than a comprehensive search strategy that would necessitate extensive resources. This approach is crucial when time is of the essence, as is often the case in search and rescue scenarios, where the longer it takes to begin the search, the lower the chances of a successful outcome. Utilizing minimal resources allows for faster assembly and deployment, enabling searchers to cover ground and gather information quickly. The essence of a hasty search is to act swiftly and efficiently with what is already available, which is why this approach is critical in situations that require immediate action.

## 6. What is the recommended distance searchers should keep between each other on most trails?

- A. 2 to 4 feet**
- B. 4 to 6 feet**
- C. 6 to 10 feet**
- D. 10 to 12 feet**

Maintaining a distance of 6 to 10 feet between searchers on trails is recommended for several reasons. This spacing allows for effective communication among team members while minimizing the risk of crowding and creating a larger visual presence that could potentially distract or overwhelm a lost person. Additionally, this distance facilitates safety by ensuring that if one searcher encounters an obstacle or danger, others have enough space to react appropriately without impeding each other's movement. It also allows searchers to cover more ground effectively, increasing the likelihood of finding a missing person while keeping the team cohesive and manageable.

**7. Why is it important to maintain a proper distance from other searchers?**

- A. To avoid getting lost**
- B. To minimize distractions during tracking**
- C. To optimize communication effectiveness**
- D. To ensure safety and maximize visibility of tracks**

Maintaining a proper distance from other searchers is crucial for ensuring safety and maximizing the visibility of tracks encountered during a search operation. When searchers are spaced adequately apart, they can cover more ground without overshadowing one another's efforts. This spacing allows searchers to see and identify tracks or signs of the missing person that might be obscured if they were too close together. A proper distance also improves safety by reducing the risk of entanglement in scenarios where searchers might need to navigate through rough terrain or hazardous areas. This separation helps each searcher maintain situational awareness of their surroundings, as they can focus on the immediate area without being distracted by other searchers nearby. By optimizing visibility, this strategic spacing not only enhances the chances of effectively locating tracks, but it also aids in making sure that any vital evidence or clues are not overlooked due to the interference of multiple searchers being too close in proximity. Overall, proper spacing fosters a more efficient and safer search operation.

**8. What technique involves systematically circling the subject's last known point to find clues?**

- A. Search outlining**
- B. Track monitoring**
- C. Sign cutting**
- D. Clue tracking**

Sign cutting is the correct technique that involves systematically circling the subject's last known point to find clues. This method focuses on observing the environment for any signs of the subject's presence, such as footprints, disturbed vegetation, or other indicators that may signal their direction or location. By circling outwards, rescuers can maximize their chances of discovering vital evidence that could lead them to the individual they are trying to locate. While other techniques like search outlining or clue tracking have their applications in search and rescue scenarios, they do not specifically describe the action of systematically circling around a known point to follow up on physical evidence in the immediate area. Track monitoring may refer to observing tracks left behind, but it doesn't emphasize the importance of expanding the search area in a circular pattern from a fixed point.

**9. Engendered reliance refers to a legal obligation due to what circumstance?**

- A. Providing services without consent**
- B. Encouragement of customer reliance on services**
- C. Failure to disclose risks associated with services**
- D. Offering services in multiple jurisdictions**

Engendered reliance refers to a situation where an individual or entity creates a circumstance in which another party reasonably depends on their services or representations. This reliance can lead to a legal obligation because once trust is established, the provider may have a duty to ensure that the information or services offered are accurate and safe. When a provider actively encourages or fosters reliance on their services, this sets up an expectation that the services will be performed competently and reliably. In this context, the emphasis is on the relationship formed between the service provider and the client. The provider may not have directly coerced the client, but their actions, representations, or the nature of the service can lead the client to believe that they can rely on them. Therefore, the legal obligation arises from the established expectation of reliability and trust that the service provider has created. This principle can apply in various scenarios, such as professional advice, financial services, or medical care.

**10. Which of the following is considered planning data?**

- A. Logistical resources**
- B. Theoretical and search data**
- C. Volunteer availability**
- D. Equipment inventory**

Theoretical and search data constitutes planning data as it encompasses the analytical aspects necessary for effective decision-making in search and rescue operations. This type of data includes information about the likelihood of a subject's location based on various factors such as terrain, weather conditions, and historical data on past incidents. Planners and decision-makers utilize this data to develop strategies and make informed choices about how to conduct searches, allocating resources effectively to increase the chances of a successful outcome. While logistical resources, volunteer availability, and equipment inventory are important for operational readiness and execution, they primarily serve as support elements rather than the foundational data that informs the initial planning stages. The focus here is on data that guides the design and methodology of the operation itself, making theoretical and search data critical for planning purposes.

# Next Steps

**Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.**

**As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.**

**If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at [hello@examzify.com](mailto:hello@examzify.com).**

**Or visit your dedicated course page for more study tools and resources:**

**<https://sartech2.examzify.com>**

**We wish you the very best on your exam journey. You've got this!**

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