

INSTRUCTOR'S LESSON PLAN

<b>SUBJECT:</b> SEARCH & RESCUE TECHNICIAN - INTERMEDIATE		<b>INSTRUCTOR:</b> RICHARD L. BACON II
<b>TITLE OF LESSON:</b> CHAPTER – 1 OVERVIEW OF LAND SEARCH & RESCUE		<b>DATE OF INSTRUCTION:</b> 3/2010
<b>TIME PERIOD (TOTAL)</b> <b>2 HRS</b>	<b>TYPE OF LESSON:</b> Lecture	<b>PLACE:</b> Lackawanna County 911 Center
<b>TRAINING AIDS:</b> POWER POINT PROJECTOR, SCREEN, LAPTOP COMPUTER SAR GEAR ASSORTED		
<b>OBJECTIVE(S):</b> SEE BELOW <b>Slides underlined in RED are direct test questions.</b>		
<b>INSTRUCTOR'S REFERENCE:</b> NASAR Fundamentals of SAR, and High Angle Rescue Techniques <b>ISBN: 0-913724-30-0, ISBN-13: 978-0-323-01914-9</b>		
<b>STUDENT'S REFERENCE:</b> NASAR Fundamentals of SAR Primary Manual is the NASAR Fundamentals of Search and Rescue		

TIME	LESSON OUTLINE <u>OBJECTIVES</u>	AID CUES POWER POINT SLIDES
00:10	<ul style="list-style-type: none"> <li>■ Define Search and Rescue</li> <li>■ Demonstrate awareness of national volunteer organizations including: <ul style="list-style-type: none"> <li>– NASAR</li> <li>– Citizen Corps</li> <li>– CERT</li> </ul> </li> <li>■ Introduce students to the Intermediate concepts of Wildland Search &amp; Rescue.</li> <li>■ Give students the knowledge needed to properly lead a SAR operation.</li> <li>■ To give students the Knowledge, Skills and Ability to safely initiate SAR Operations and search the assigned area safely and effectively.</li> </ul>	<b>SLIDES</b> 1 - 54
00:10	<p style="text-align: center;"><u>LECTURE OUTLINE</u></p> <p style="text-align: center;">HISTORY OF SAR</p> <ul style="list-style-type: none"> <li>■ Hunter/gatherers → technology →</li> <li>■ Exploration of lands → technology → exploration of mountains and oceans → technology → wars → technology → exploration of space →?</li> </ul> <p style="text-align: center;"><u>ISSUE WITH LAND BASED SAR</u></p> <ul style="list-style-type: none"> <li>■ T.J. Setnicka, author of "Wilderness Search and Rescue," stated that SAR was essentially: a transportation problem.</li> </ul> <p style="text-align: center;"><u>DEFINITION OF SEARCH</u></p> <ul style="list-style-type: none"> <li>■ Search: To locate persons in distress</li> <li>■ The Provisional International Civil Aviation Organization (PICAO) defines search and rescue as: the act of finding and returning to safety the survivors from an emergency incident.</li> </ul> <p style="text-align: center;"><u>DEFINITION OF RESCUE</u></p> <ul style="list-style-type: none"> <li>■ Rescue: To retrieve persons in distress, provide for their initial medical or other</li> </ul>	

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00:10	<p style="color: red;">needs, and deliver them to a place of safety</p> <p style="text-align: center; color: blue;">FOUNDATIONIONAL CONCEPTS IN LAND BASED SAR</p> <ul style="list-style-type: none"> <li>■ Two additional concepts: <ul style="list-style-type: none"> <li>– The elements of SAR education</li> <li>– The SAR tool acquisition process</li> </ul> </li> </ul> <p style="text-align: center; color: red;"><u>LAND BASED SAR EDUCATION</u></p> <ul style="list-style-type: none"> <li>■ Search and rescue skills are diverse and cover many areas.</li> <li>■ Divided into three basic categories <ul style="list-style-type: none"> <li>– Search</li> <li>– Rescue</li> <li>– Survival/support</li> </ul> </li> </ul> <p style="text-align: center; color: blue;">SEARCH TRAINING</p> <ul style="list-style-type: none"> <li>■ Studies specializing in search techniques, theory, and search planning</li> <li>■ Training including land, air, cave, K9, or water-based</li> </ul> <p style="text-align: center; color: blue;">RESCUE TRAINING</p> <ul style="list-style-type: none"> <li>■ Training in diverse rescue applications</li> <li>■ Urban, cave, ice, mountain/high angle, wilderness environments</li> </ul> <p style="text-align: center; color: red;"><u>SURVIVAL &amp; SUPPORT TRAINING</u></p> <ul style="list-style-type: none"> <li>■ Training is essential to make the complete SAR Responder</li> <li>■ Wilderness survival, fitness, improvisation, land navigation, communication</li> </ul> <p style="text-align: center; color: blue;">TOOLS FOR LAND BASED SEARCH &amp; RESCUE</p> <ul style="list-style-type: none"> <li>■ Gather knowledge from many sources <ul style="list-style-type: none"> <li>– Formal education</li> <li>– Training</li> </ul> </li> <li>■ Know what tool to use in what application.</li> <li>■ Need a broad base of knowledge and skills</li> <li>■ Must learn how to improve SAR to advance beyond basic tool application</li> </ul> <p style="text-align: center; color: blue;">GETTING INVOLVED IN SEARCH &amp; RSCUE</p> <ul style="list-style-type: none"> <li>■ Gather knowledge from many sources <ul style="list-style-type: none"> <li>– Formal education</li> <li>– Training</li> </ul> </li> <li>■ Know what tool to use in what application.</li> <li>■ Need a broad base of knowledge and skills</li> <li>■ Must learn how to improve SAR to advance beyond basic tool application</li> </ul> <p style="text-align: center; color: red;"><u>NASAR TECHNICIAN PROGRAM</u></p> <ul style="list-style-type: none"> <li>■ Evaluates three levels of search responders so that a measurable level of capability could be available for incident commanders.</li> </ul> <p style="text-align: center; color: red;"><u>National Association for Search and Rescue (NASAR)</u></p>	

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00:10	<ul style="list-style-type: none"> <li>■ SAR specialties coordinate skills to maximize effectiveness in emergency situations.</li> <li>■ <b>A not-for-profit membership organization of both paid and unpaid SAR professionals</b></li> <li>■ Provide educational opportunities, publications, conferences, workshops</li> <li>■ <a href="http://www.nasar.org">www.nasar.org</a></li> </ul> <p style="text-align: center;"><b>NASAR TECHNICAL PROGRAM</b></p> <ul style="list-style-type: none"> <li>■ Developed national standards and certification processes for search and rescue personnel <ul style="list-style-type: none"> <li>– SAR TECH™ III</li> <li>– SAR TECH™ II</li> <li>– SAR TECH™ I/Crew leader III</li> </ul> </li> </ul> <p style="text-align: center;"><b>NASAR CURRICULUM PROGRAMS</b></p> <ul style="list-style-type: none"> <li>■ Recognized courses</li> <li>■ For all levels of experience, from the ground searcher to the incident commander</li> <li>■ Umbrella organization <ul style="list-style-type: none"> <li>– Has ties to SAR-related organizations</li> <li>– National SAR Committee (NSARC)</li> </ul> </li> </ul> <p style="text-align: center;"><b>USA Freedom Corps</b></p> <ul style="list-style-type: none"> <li>■ Opportunity for community to protect the United States and support first responders</li> <li>■ Culture of citizenship, service, and responsibility</li> <li>■ Resources of the federal government with nonprofit, business, educational, faith-based, and other sectors</li> <li>■ Strengthens other programs</li> </ul> <p style="text-align: center;"><b>Citizen Corps</b></p> <ul style="list-style-type: none"> <li>■ Public education and outreach, training, and volunteer service</li> <li>■ Make communities safer from crime, terrorism, and disasters</li> <li>■ Build on the successful community efforts to prevent crime and respond to emergencies</li> </ul> <p style="text-align: center;"><b><u>Citizen Corps</u></b></p> <ul style="list-style-type: none"> <li>■ Coordinated by FEMA</li> <li>■ Citizen Corps Programs <ul style="list-style-type: none"> <li>– Neighborhood Watch Program (NWP)</li> <li>– Volunteers in Police Service (VIPS)</li> <li>– The Community Emergency Response Team (CERT)</li> <li>– The Medical Reserve Corps (MRC)</li> </ul> </li> <li>■ <b>DO NOT INCLUDE SAR STANDARDS</b></li> </ul> <p style="text-align: center;"><b><u>Community Emergency Response Teams</u></b></p> <ul style="list-style-type: none"> <li>■ Volunteers save more lives than all trained rescuers combined.</li> <li>■ CERT programs train civilians to assist disaster-impacted communities.</li> <li>■ <b>Offered and coordinated by FEMA</b></li> <li>■ <a href="http://training.fema.gov/emiweb/CERT/">http://training.fema.gov/emiweb/CERT/</a></li> </ul>	

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00:10	<p style="text-align: center;"><u>The Four Elements of a CERT Program</u></p> <ul style="list-style-type: none"> <li>■ Teach citizens what immediate services to expect after a major disaster</li> <li>■ Teach about the responsibility for mitigation and preparedness</li>   <li>■ Train citizens in needed life-saving skills <ul style="list-style-type: none"> <li>– Decision making, rescuer safety, and doing the greatest good for the greatest number</li> </ul> </li> <li>■ Organize teams <ul style="list-style-type: none"> <li>– Extension of first responder services</li> <li>– Offer immediate help to victims until professional services arrive</li> </ul> </li>   <p style="text-align: center;">Other Organizations</p> <li>■ Several opportunities to get involved <ul style="list-style-type: none"> <li>– American Red Cross</li> <li>– AmeriCorps</li> <li>– Corporation for National and Community Service</li> </ul> </li>   <p style="text-align: center;">SAR Operations: Basic Types and Teams</p> <li>■ Wildland Search &amp; Rescue</li> <li>■ Emphasis on Search</li> <li>■ Types of Searches</li> <li>■ Search is an Emergency!!!!</li>   <p style="text-align: center;">INTRODUCTION TO SAR</p> <li>■ Laws pertaining to Land SAR operations</li> <li>■ Responsibilities of searchers</li> <li>■ Directives &amp; Policies of DCNR</li> <li>■ Guides developed by DCNR to help guide you during a Land SAR Operation.</li>   <p style="text-align: center;">WILDLAND SAR</p> <li>■ Not an Urban SAR Operation</li> <li>■ Not a Structural Fire Rescue or Search</li> <li>■ It is a search for a lost or overdue person in a Wildland Setting which may or may not have structures within the search area.</li>   <p style="text-align: center;">WILDLAND SAR</p> <li>■ Wildland search may include various types of buildings typically found in a rural or suburban area.</li> <li>■ Wildland type SAR missions may occur in wooded or wild areas within urban or heavily built up suburban areas.</li>   <p style="text-align: center;">EMPHASIS ON SEARCH</p> <li>■ Before a rescue can take place you must locate and mark the subjects location and condition.</li> <li>■ Organize a rescue team and initiate the rescue.</li> </ul>	

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00:10	<ul style="list-style-type: none"> <li>■ Rescue is a separate function from Search operations. The importance of a SAR operation is to promptly find the subject.</li> </ul> <p style="text-align: center;"><u>TYPES OF SEARCHES</u></p> <ul style="list-style-type: none"> <li>■ Type – I Hasty Search</li> <li>■ Type – II Open or Wide Grid Search</li> <li>■ Type – III Close or Tight Grid Search</li> </ul> <p style="text-align: center;"><u>SEARCH IS AN EMERGENCY!</u></p> <ul style="list-style-type: none"> <li>■ The subject may need emergency care.</li> <li>■ The subject may need protection from himself or the environment.</li> <li>■ Time and weather will destroy clues.</li> <li>■ Quick Response reduces search difficulty and search area.</li> </ul> <p style="text-align: center;"><u>SEARCH IS AN EMERGENCY!</u></p> <ul style="list-style-type: none"> <li>■ It can be hard to justify urgency because, if left alone, a certain percentage of people will walk out on their own.</li> <li>■ Chances of success is directly related to the size of the SAR area.</li> <li>■ 2 x increase in the diameter of the area quadruples the size of the SAR area.</li> </ul> <p style="text-align: center;"><u>RESPONSIBILITIES</u></p> <ul style="list-style-type: none"> <li>■ Like other duties: You have the duty to perform within the limits of your training and experience.</li> <li>■ If you are not trained for Land SAR Operations, call someone who is.</li> <li>■ You have the duty to perform to the standards set by the agency having command jurisdiction.</li> </ul> <p style="text-align: center;"><u>RESPONSIBILITIES</u></p> <ul style="list-style-type: none"> <li>■ You have a responsibility to the subject and his family or guardian.</li> <li>■ You have the responsibility to protect yourself and your organization.</li> <li>■ You must take action. A decision not to search or to stop searching must be justifiable.</li> </ul> <p style="text-align: center;"><u>THE SUBJECT</u></p> <ul style="list-style-type: none"> <li>■ The use of the word subject is preferred over the word victim.</li> <li>■ Victim has negative connotations that affect the moral of the Search Effort.</li> <li>■ It also has a bad effect on the family or friends who may be in the SAR base or listening to the scanner.</li> </ul> <p style="text-align: center;"><u>QUESTIONS &amp; COMMENTS</u></p> <p style="text-align: center;">OPEN SESSION FOR QUESTIONS AND COMMENTS</p>	
	<u>SUMMARY</u>	
00:10	<ul style="list-style-type: none"> <li>■ While these directives do not apply directly to you when you have a incident on private land, they do influence agencies in court.</li> <li>■ The Pa. State Police is the Lead SAR Agency for Escaped or suspected criminals.</li> </ul>	

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<b>Total Hours</b> <b>4</b>	<b>Total Lecture Time 2 Hours</b> <b>Total Skill Time Classroom 1 Hour</b> <b>Total Skill Time Outdoor Skills 1 Hour</b>	<b>CHAPTER – 1</b> <b>MOD-A</b>