

NFPA 1006: 2021 Edition, Wilderness Search and Rescue 11.1 Awareness Level

Below please find what has been previously approved by the Committee on Accreditation (COA) for this level of certification. This example does not take into consideration “Document Review”, “Portfolio”, or “Other testing methods.”

If your agency selects completing their online Assessment Methodology Matrix (AMM) utilizing these test methods, our Technical Analysts may place your application under a COA meeting consent agenda bypassing the usual COA review.

The spaces identified below with an “X” must be replaced with the appropriate cognitive test item numbers (e.g. Questions 1,4,6,7,9, etc.) or the score sheet numbers under Product, Psychomotor/Process methods as score sheet numbers (e.g.- SS 101, 202, and 304, etc.).

	Knowledge-Based Assessments (graded after submission)		Performance-Based Assessments (graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
11.1.1 Identify the environment, type of terrain, and associated hazards involved in a wilderness incident given the environment, terrain, and hazards involved in the incident so that the personnel and equipment match the environment and terrain.				X
11.1.1 (A) Requisite Knowledge. Distinguish between types of environment such as wilderness (see 3.3.223) as it applies in the area of the AHJ, forest, alpine, altitude affected, desert, swamp, jungle, subterranean, and others found in the area of the AHJ; types of terrain such as high- or low-angle, snow-covered, water-covered, dense vegetation, and others found in the area of the AHJ; and associated hazards such as disorientation, darkness, weather extremes, hazardous vegetation and wildlife, avalanche, and others found in the area of the AHJ.	X			

11.1.1 (B) Requisite Skills. The ability to describe the environment, terrain, and hazard types found in the AHJ's jurisdiction.			
11.1.1(B)			X
11.1.2 Size up a wilderness search and rescue incident, given background information and applicable reference materials, so that the scope of the rescue is determined, the number of victims is identified, the last reported location of all the victims is established, witnesses and reporting parties are identified and interviewed, resource needs are assessed, primary search parameters are identified, and information required to develop an initial incident action plan is obtained.			
11.1.2			X
11.1.2 (A) Requisite Knowledge. Types of reference materials and their uses, availability and capability of the resources, elements of an incident action plan and related information, relationship of the size-up to the incident management system, information gathering techniques and how that information is used in the size-up process, and basic search criteria for wilderness search and rescue incidents.			
11.1.2(A)	X		
11.1.2 (B) Requisite Skills. The ability to read technical rescue reference materials, gather information, use interview techniques, relay information, and use information-gathering sources.			
11.1.2(B)			X
11.1.3 Recognize incident hazards and initiate isolation procedures, given scene control barriers, personal protective equipment (PPE), requisite equipment, and available specialized resources, so that all hazards are identified; resource application fits the operational requirements; hazard isolation is considered; risks to rescuers, bystanders, and victims are minimized; and rescue time constraints are taken into account.			
11.1.3			X
11.1.3 (A) Requisite Knowledge. Resource capabilities and limitations; types and nature of incident hazards; equipment types and their use; isolation terminology, methods, equipment, and implementation; operational requirement concerns; common types of rescuer and victim risks; risk/benefit analysis methods and practices; hazard recognition, isolation methods, and terminology; methods for controlling access to the scene; and types of technical references.			
11.1.3(A)	X		

11.1.3 (B) Requisite Skills. The ability to identify resource capabilities and limitations, identify incident hazards, assess potential hazards to rescuers and bystanders, place scene control barriers, and operate control and mitigation equipment.

11.1.3(B)			X
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11.1.4 Recognize the need for technical rescue resources at an operations- or technician-level incident, given AHJ guidelines, so that the need for additional resources is identified, the response system is initiated, the scene is secured and rendered safe until additional resources arrive, and awareness-level personnel are incorporated into the operational plan.

11.1.4			X
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11.1.4 (A) Requisite Knowledge. Operational protocols, specific planning forms, types of incidents common to the AHJ, hazards, incident support operations and resources, and safety measures.

11.1.4(A)	X		
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11.1.4 (B) Requisite Skills. The ability to apply operational protocols, select specific planning forms based on the types of incidents, identify and evaluate various types of hazards within the AHJ, request support and resources, and determine the required safety measures.

11.1.4(B)			X
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11.1.5 Support an operations- or technician-level incident, given an incident, an assignment, an incident action plan, and resources from the tool kit, so that the assignment is carried out, progress is reported to command, environmental concerns are managed, personnel rehabilitation is facilitated, and the incident action plan is supported.

11.1.5			X
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11.1.5 (A) Requisite Knowledge. AHJ operational protocols, hazard recognition, incident management, PPE selection, resource selection and use, and scene support requirements.

11.1.5(A)	X		
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11.1.5 (B) Requisite Skills. The ability to apply operational protocols, function within an incident management system, follow and implement an incident action plan, and report the task progress status to a supervisor or incident command.

11.1.5(B)			X
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NFPA 1006: 2021 Edition, Wilderness Search and Rescue 11.2 Operations Level

	Knowledge-Based Assessments		Performance-Based Assessments	
	(graded after submission)		(graded in real-time as they are performed)	
Section	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
11.2.1 Identify environmental and incident conditions, given the response area as defined by the AHJ, so that operations-level search and rescue functions and the need for additional resources are established.				
11.2.1				X
11.2.1 (A) Requisite Knowledge. Environments, hazards, and AHJ procedures that will assist in determining when operations-level search and rescue operations are permitted or exceeded.				
11.2.1(A)	X			
11.2.1 (B) Requisite Skills. The ability to apply AHJ procedures and specific environments into decisions to conduct or not to conduct operations-level search and rescue and to request additional specialized resources				
11.2.1(B)				X
11.2.2 Implement a wilderness search and rescue preplan, given existing and potential conditions, so that wilderness search and rescue is performed.				
11.2.2				X
11.2.2 (A) Requisite Knowledge. Where to acquire in advance weather history for a specific incident site; weather forecast; reports on winds, avalanches, tides, areas, trails, climbing routes; topographical maps; other AHJ-specific tactical information; ICS-consistent size-up; size-up of environment, terrain, weather, and other actual or potential hazards; ongoing search versus rescue versus recovery decision making, given checklists and resources to help determine the general and specialized needs, personnel, and equipment necessary for each.				
11.2.2(A)	X			
11.2.2 (B) Requisite Skills. The ability to describe or obtain weather history, forecasts, and maps; apply the size-up components together, given checklists, to plans for and execute the search and rescue.				
11.2.2(B)				X
11.2.3 Identify factors affecting the preparation, selection, and use of PPE and equipment given the AHJ's wilderness environment, PPE, and equipment; so that rescuer safety is maintained and the hazards are mitigated.				

11.2.3			X
11.2.3 (A) Requisite Knowledge. Describe how factors such as temperature, weather, terrain, flora, fauna, altitude, travel time, patient care, duration of the incident, logistics, communications, navigation, and management needs, affect training or an incident in a wilderness environment.			
11.2.3(A)	X		
11.2.3 (B) Requisite Skills. Ability to apply these factors in the selection of PPE and equipment, given classroom-type discussions, in-field training, and incidents.			
11.2.3(B)			X
11.2.4 Interface with wilderness search and rescue resources, given an available wilderness search and rescue resource list, so that the resources are requested and employed.			
11.2.4			X
11.2.4 (A) Requisite Knowledge. How to request various internal and external resources related to wilderness search and rescue and other related emergency services; recognizing other interface agencies' equipment.			
11.2.4(A)	X		
11.2.4 (B) Requisite Skills. Ability to apply the request for resources and to interface with other responding wilderness search and rescue and emergency response resources, ability to recognize interface agencies' equipment.			
11.2.4(B)			X
11.2.5 Interview reporting parties, given interview recording forms, so that available information in regard to the potential location of the subject and other factors affecting the incident are documented.			
11.2.5		X	X
11.2.5 (A) Requisite Knowledge. Interviewing techniques, interviewing forms, subject identity and description, and other information that will assist the responding resources.			
11.2.5(A)	X		
11.2.5 (B) Requisite Skills. The ability to apply interviewing techniques and documentation.			
11.2.5(B)		X	X
11.2.6 Collect evidence to determine subject's potential location, given various items of evidence, collection and documentation equipment, and wilderness tool kit, so that the scene (i.e., area) is searched and evidence is protected, documented, cataloged, and collected.			
11.2.6		X	X
11.2.6 (A) Requisite Knowledge. How to maintain the chain of evidence, scene protection, search procedures, evidence protection methods, documentation and catalog methods, and evidence collection procedures.			

11.2.6(A)	X		
11.2.6 (B) Requisite Skills. The ability to protect the scene, operate photography equipment, utilize standard evidence collection tools, and implement procedures to collect, document, and catalog evidence.			
11.2.6(B)		X	X
11.2.7 * Prepare to work in a wilderness environment for an assigned operational period, given personal support equipment, so that the rescuer can be self-sustaining in the wilderness environment.			
11.2.7			X
11.2.7 (A) Requisite Knowledge. How to prepare for personal first aid needs, anticipated environment, anticipated weather conditions, hydration and nutrition requirements for mission duration, personal safety, medical and comfort needs, night operations, and wilderness navigation.			
11.2.7(A)	X		
11.2.7 (B) Requisite Skills. The ability to prepare for wilderness search and rescue incidents by assembling, packing, and carrying the following supplies: personal medical supplies; clothing for the environment; hydration and nutrition; lighting equipment; navigation tools; general marking and documentation tools; emergency shelter or bivouac; and communications, including emergency backup; and by operating effectively for 8 hours in such an environment in the AHJ area.			
11.2.7(B)			X
11.2.8 * Navigate in a wilderness environment, given a location with directions from reporting parties, nontechnical terrain, and maps and trail guides, so that the rescuer arrives at the destination to locate the subject.			
11.2.8			X
11.2.8 (A) Requisite Knowledge. Location of response area trails and recreational areas with history of search and rescue incidents.			
11.2.8(A)	X		
11.2.8 (B) Requisite Skills. Ability to read trail maps and trail guides, describe access to trail heads, and navigate on established trails to locate subject.			
11.2.8(B)			X
11.2.9 Establish the need for specialized resources in wilderness search and rescue operations, given aircraft, watercraft, or specialized vehicles and operators, as well as operational protocols and specialized vehicle resources, so that resources are allocated and utilized during the operation to locate and/or remove the subject.			
11.2.9			X
11.2.9 (A) Requisite Knowledge. Available specialized resources and their capabilities, landing zone requirements, risk factors associated with specialized resource operations, and local protocols and procedures.			

11.2.9(A)	X		
11.2.9 (B) Requisite Skills. The ability to establish and control landing zones and helispots, assess fire protection needs as they pertain to landing zones and helispots, and identify hazards associated with specialized resources.			
11.2.9(B)			X
11.2.10 * Manage a subject in a wilderness environment, given basic life support equipment and a wilderness tool kit, so that the basic medical care of the subject is managed during transport and the potential for further injury is minimized.			
11.2.10			X
11.2.10 (A) Requisite Knowledge. Medical care in a wilderness environment.			
11.2.10(A)	X		
11.2.10 (B) Requisite Skills. The ability to provide medical care in a wilderness environment.			
11.2.10(B)			X
11.2.11 * Move a subject in a wilderness environment a minimum of 0.25 mi (0.4 km), given subject transport equipment, litters, other specialized equipment, and subject removal systems specific to the search and rescue environment, so that the subject is moved without further injuries, risks to rescuers are minimized, the integrity of the subject's packaging within the transfer device is established and maintained, and the subject is removed from the hazard.			
11.2.11			X
11.2.11 (A) Requisite Knowledge. Types of transport equipment and removal systems; selection factors with regard to specific search and rescue environments; methods to reduce, treat, and prevent further medical, nutritional, hydration, waste, and environmental challenges and injuries; types of risks to rescuers; ways to establish and maintain subject packaging transport techniques; and types of specialized equipment and their uses.			
11.2.11(A)	X		
11.2.11 (B) Requisite Skills. The ability to address the subject's medical, nutritional, hydration, waste, and environmental challenges; secure a subject to transport equipment, assemble and operate environment-specific subject removal systems; and choose an incident-specific transport device.			
11.2.11(B)			X
11.2.12 Terminate an incident, given PPE specific to the environment, so that rescuers and bystanders are protected and accounted for during termination operations; the AHJ is notified of any modification or damage created during the operational period; damaged or lost equipment is assessed and documented; scene documentation is performed; scene control is transferred to a responsible party; remaining potential or existing hazards are communicated to that responsible party; debriefing and postincident analysis and critique are considered; and command is terminated.			
11.2.12		X	X

11.2.12 (A) Requisite Knowledge. PPE characteristics, environment-specific hazard and risk identification, statutory requirements identifying responsible parties, accountability system use, reporting methods, and postincident analysis techniques.			
11.2.12(A)	X		
11.2.12 (B) Requisite Skills. The ability to select and use hazard-specific PPE, decontamination of PPE, use barrier protection techniques, administer data collection and record-keeping/reporting protocols, and conduct postincident analysis activities.			
11.2.12(B)		X	X
11.2.13 Traverse through a wilderness environment by foot, given an off-road trail or nontechnical terrain typical of the response area of the AHJ, so that the rescuer demonstrates the ability to reach the subject and maintain personal safety.			
11.2.13			X
11.2.13 (A) Requisite Knowledge. Characteristics of PPE; travel footwear and equipment such as hiking boots, snowshoes, and poles as determined by the terrain.			
11.2.13(A)	X		
11.2.13 (B) Requisite Skills. The ability to select, don, and use footwear and travel equipment on a trail or on nontechnical terrain typical of the AHJ's environment.			
11.2.13 (B)			X

NFPA 1006: 2021 Edition, Wilderness Search and Rescue 11.3 Technician Level

Section	Knowledge-Based Assessments (graded after submission)		Performance-Based Assessments (graded in real-time as they are performed)	
	Cognitive (e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	Product (e.g., document or develop a budget, proposal, lesson plan)	Psychomotor (Primarily an observable physical task. e.g., don, doff)	Process (Primarily a mental or verbalized task. e.g., inspect)
11.3.1 Identify environment- and incident-specific conditions, given the response area of the AHJ, so that the technician-level search and rescue functions are identified and the need for additional resources is established.				
11.3.1				X
11.3.1 (A) Requisite Knowledge. Environments, hazards, and AHJ procedures that will assist in determining when technician-level search and rescue operations are permitted and exceeded.				
11.3.1(A)	X			
11.3.1 (B) Requisite Skills. The ability to apply AHJ procedures and specific environments to decisions to conduct or not to conduct technician-level search and rescue, and to request additional specialized resources.				
11.3.1(B)				X
11.3.2 Develop profile(s) for the subject(s) in a wilderness environment, given subject information and collected evidence, so that a search plan can be developed and implemented.				
11.3.2				X
11.3.2 (A) Requisite Knowledge. Interviewing techniques, evidence collection, lost person behavior, and weather conditions.				
11.3.2(A)				

11.3.2 (B) Requisite Skills. The ability to interpret evidence, conduct subject analysis, and evaluate present and predicted weather conditions.			
11.3.2(B)			X
11.3.3 Collect and purify water, given a natural source of water in the wilderness environment, so that the rescuer can have potable water.			
11.3.3			X
11.3.3 (A) Requisite Knowledge. Water filters and purifiers, collection methods, and potential water sources.			
11.3.3(A)	X		
11.3.3 (B) Requisite Skills. The ability to use water filters and purifiers, collect water, and identify water sources.			
11.3.3(B)			X
11.3.4 Develop a wilderness search and rescue incident action plan, given an incident, size-up information, and local weather forecasts and current conditions, so that the IMS is utilized, communication needs are addressed, existing and potential conditions are identified, the search area is designated, operational periods are identified, safety plans are developed, and objectives are established.			
11.3.4		X	
11.3.4 (A) Requisite Knowledge. Incident-specific size-up information, IMSs, safety planning, communication resources, hazards and work conditions, and specialized resources for wilderness search and rescue.			
11.3.4(A)	X		
11.3.4 (B) Requisite Skills. The ability to use size-up assessment information, implement an IMS, identify special resource needs, create written documentation, and develop safety and communications plans.			
11.3.4(B)		X	
11.3.5 Develop a search plan given standard search tactics, lost-person profile, lost-person behavior statistics, reporting party interviews, and available resources, and revise the search plan based on clues identified by search teams, so that resources can be deployed and managed, and the plan continually updated.			

11.3.5		X	
11.3.5 (A) Requisite Knowledge. Search tactics, development of lost-person profiles, lost-person behaviors, reporting parties interviewed, and revised search plans given located clues and areas searched.			
11.3.5(A)	X		
11.3.5 (B) Requisite Skills. The ability to develop an initial search plan after interviewing a reporting party, develop a lost-person profile, and update the search plan to include search areas covered and clues located by a field team.			
11.3.5(B)		X	
11.3.6 Navigate in the wilderness to a specified location, given navigation equipment, topographical maps of the area to be navigated, and communication equipment, so that the specified location is identified and reached, search patterns are conducted, teams are guided to the desired location, and all clues relative to the location of the subject are identified and communicated to the incident commander.			
11.3.6			X
11.3.6 (A) Requisite Knowledge. Search patterns, navigation equipment, map reading, map types and systems, and use of communication equipment.			
11.3.6(A)	X		
11.3.6 (B) Requisite Skills. The ability to read maps, use navigation equipment, measure a distance in varied terrain, navigate accurately around obstacles, and effectively use communications equipment compatible with the AHJ and its mutual aid partners.			
11.3.6(B)			X
11.3.7 Manage a team at a wilderness search and rescue incident, given search and rescue personnel, capabilities and limitations of search and rescue members, and incident and site information, so that an IMS is established, direction is given, needed support resources are identified, the incident action plan is communicated, tasks are communicated, resources are allocated, the incident is stabilized, personnel assignments are made, potential problems are identified and managed, and accountability is provided.			
11.3.7			X

11.3.7 (A) Requisite Knowledge. Incident Command Systems, procedures to evaluate incidents, common personnel assignments and duties, common and critical operational commands, safety protocols, and ways to increase efficiency.			
11.3.7(A)	X		
11.3.7 (B) Requisite Skills. The ability to implement an IMS, evaluate an incident, evaluate personnel, and implement procedures.			
11.3.7(B)			X
11.3.8 Locate a subject in a wilderness environment, given a lost person profile, established search area, navigation equipment, topographical maps, and communication equipment, so that the subject's location is determined.			
11.3.8			X
11.3.8 (A) Requisite Knowledge. Man-tracking skills, search patterns, communication skills, passive (indirect) and active (direct) search techniques, and sign cutting techniques.			
11.3.8(A)	X		
11.3.8 (B) Requisite Skills. The ability to implement man tracking, search patterns, communication techniques, passive and active search, sign cutting; and to communicate findings to others using a track ID form.			
11.3.8(B)			X
11.3.9 Construct an emergency shelter in a wilderness environment, given supplies in the search and rescue response pack, so that the rescuer is protected from the elements.			
11.3.9			X
11.3.9 (A) Requisite Knowledge. Determining whether to transport the subject or to shelter in place.			
11.3.9(A)	X		
11.3.9 (B) Requisite Skills. The ability to construct an emergency shelter with equipment carried by the rescuer.			
11.3.9(B)			X

11.3.10 * Negotiate technical terrain typical of the response area, given the technical wilderness travel equipment used by the responders, so that technical terrain access skills can be assessed.

[11.3.10](#)

X

11.3.10 (A) Requisite Knowledge. Knowledge of the technical terrain and associated hazards in the response area, personal skills and specialized equipment to conduct operations on the technical terrain, and available resources that would be required.

[11.3.10\(A\)](#)

X

11.3.10 (B) Requisite Skills. The ability to respond to the various terrain types in which the organization expects to perform search and rescue operations, using technical skills and equipment to travel and transport a patient.

[11.3.10\(B\)](#)

X