

Search and Rescue (SAR) Working Group

JOB TITLES

The Search and Rescue (SAR) Working Group determined the following job titles to be the most commonly requested SAR personnel in an interstate, mutual-aid-based response:

SAR Job Title 1:	Canine Search Specialist, Disaster/Structure Collapse Live (<i>Heavy (CCSH), Medium (CCSM), Light (CCSL)</i>)
SAR Job Title 2:	Canine Search Specialist, Disaster/Structure Collapse Human Remains (<i>Heavy (CCRH), Medium (CCRM)</i>)
SAR Job Title 3:	Canine Search Specialist, Land Human Remains (<i>Small (CLRS), Large (CLRL)</i>)
SAR Job Title 4:	Canine Search Specialist, Water Human Remains (<i>Stillwater (CWST), Swiftwater (CWSW)</i>)
SAR Job Title 5:	Canine Search Specialist, Land Live (<i>Large (CLAL), Small (CLAS)</i>)
SAR Job Title 6:	Search and Rescue Technician, Mountain/Technical (MTNT); Technical Rescue Technician (TRT)
SAR Job Title 7:	Search and Rescue (Squad Officer, Mountain/Technical (MTSO))
SAR Job Title 8:	Search and Rescue Strike Team/Task Force Leader, Mountain/Technical (MTTL)
SAR Job Title 9:	Search and Rescue Technician, Land (LANT)
SAR Job Title 10:	Search and Rescue Squad Officer, Land (LASO)
SAR Job Title 11:	Search and Rescue Strike Team/Task Force Leader, Land (LATL)
SAR Job Title 12:	Structure Collapse Search Technician (SCST)
SAR Job Title 13:	Structure Collapse Rescue Technician (SCRT)
SAR Job Title 14:	Structure Collapse Search Squad Officer (SCSO)
SAR Job Title 15:	Structure Collapse Rescue Squad Officer (SCRO)
SAR Job Title 16:	Swiftwater/Flood Rescue Technician (SFRT)
SAR Job Title 17:	Swiftwater/Flood Rescue Technician- Boat Bowman (SFBB)
SAR Job Title 18:	Swiftwater/Flood Rescue Technician- Boat Operator (SFBO)
SAR Job Title 19:	Swiftwater/Flood Technician- Animal Rescue (SFAR)
SAR Job Title 20:	Swiftwater/Flood Rescue Squad Leader (SFSL)
SAR Job Title 21:	Swiftwater/Flood Rescue Strike Team/Task Force Leader (SFTM)
SAR Job Title 22:	Swiftwater/Flood Rescue Technical Specialist (Advisor) (SFTS)
SAR Job Title 23:	Swiftwater/Flood Rescue Logistics Specialist (SFLS) (<i>Swiftwater</i>)
SAR Job Title 24:	Swiftwater/Flood Rescue Medical Specialist (SFMS) (<i>Swiftwater</i>)
SAR Job Title 25:	Helicopter Search and Rescue Technician (HSRT) (<i>Disaster, Mountain/Technical, Stillwater, Swiftwater, Land, Urban, et al</i>)
SAR Job Title 26:	Helicopter Search and Rescue Crew Chief (HSRC) (<i>Disaster, Mountain/Technical, Stillwater, Swiftwater, Land, Urban, et al</i>)
SAR Job Title 27:	Helicopter Search and Rescue Pilot (HSRP) (<i>Disaster, Mountain/Technical, Stillwater, Swiftwater, Land, Urban, et al</i>)

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

REQUISITE AND RECOMMENDED CRITERIA

Considering existing, nationally-accepted standards, the SAR Working Group extracted relevant education, training, experience, physical/medical fitness, certification, and licensing criteria to define the *baseline criteria* for each job title listed above. These baseline criteria represent the *minimum* requirement for SAR personnel to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

The SAR Working group identified additional recommended criteria relating to education, training, certification, experience, and physical/medical fitness where it believed standards and baseline criteria did not exist or were deemed insufficient. These recommended criteria are *not required* and represent the SAR Working Group's *recommendations* for SAR personnel to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

The Categories used in *Designing a National Emergency Responder Credentialing System* are defined as follows:

Education	Formal instruction based upon a curriculum that prepares an individual with the core knowledge and skill for entry into a discipline and for performing a job title.
Training¹	Instruction and/or activities that enhance an individual's core knowledge; increase skill set and proficiency; and strengthen and augment abilities.
Experience	Time required functioning in a job title for an individual to attain proficiency in applying knowledge, skills, and abilities.
Physical/ Medical Fitness	Physical and medical considerations that, when applied, help to ensure safe performance in risky environments.
Certification	Designation granted by Authority Having Jurisdiction that an individual has met the requirements and achieved specific knowledge, skills, and abilities.
Licensing	Legal designation granted by Authority Having Jurisdiction, indicating that a person has met the necessary legal requirements to function in a job title.

Notes:

- Where requisite and/or recommended criteria do not apply, that category will not be listed.
- AHJ (Authority Having Jurisdiction) used here means the legally mandated authority for the jurisdiction or the team/unit/agency itself but does not include commercial units or those not sponsored by a governmental AHJ. This is due to the additional requirements which are generally intrinsic to the process of hiring, training and maintaining an AHJ employee and that are not included in NIMS SAR Credentialing. Examples include but are not limited to: background checks, sexual harassment and cultural awareness training, regular and close geographical AHJ employee supervision, etc. Such areas would need to be identified and included for these types of units.
- Defining categories of SAR is challenging, and has been made more so due to the lack of states, regional or a national uniform SAR system for types and kinds of teams and resources, and common definitions. There have been notable and sometimes confusing differences between the military and civil (and within civil, confusion between fire service, law enforcement, EMS and other SAR) SAR definitions and titles at national, regional, state, county and local levels which can be quite diverse in their training, and in their use of the same or similar titles and terms having different meanings.
- For the purposes of NIMS SAR Credentialing, SAR has been divided into categories according to the most recent National SAR Plan, National SAR Manual (formerly known as the National SAR Supplement), NSARC (the National Committee for SAR) documents, and the National Response Plan. Those categories are Land, Urban, Maritime and Aeronautical.
 - Urban vs. urban. One area of clarification for NIMS SAR Credentialing is that the use of the word "Urban" with a capital "U" refers to *Urban SAR* as defined in the National SAR Plan and Manual (structural collapse, et al). The word "urban" with a small "u" refers to the environmental setting such as the urban city as described below.
 - Land Search and Rescue, also referred to in some federal documents as "Inland" SAR.
 - Land SAR includes all land and water environments within the inlands of the United States, and does not include oceans except, in practical application, shore areas (surf zone). For the purpose of acknowledging notable differences in training needs, skills and equipment, Land SAR has been described further:
 - urban/suburban area,
 - "Supported", which requires less training, skill, experience and equipment than wilderness, remote or disaster settings because they have accessible "civilized" services to sustain life, including food and potable water and other such services.
 - "Unsupported", which lacks "supported" services as listed in "a" above and which can require additional training, skill, experience and equipment.
 - Wilderness/remote area, including disaster settings in cities, which requires specialized training, skills and equipment in order to operate and survive because they are "unsupported" or have little to no civilized services

¹ Per NIMS Compliance at the time of publication, Incident Command System (ICS-) and Independent Study (IS-) training courses are listed. Equivalent courses must meet the [NIMS] National Standard Curriculum.

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to sustain life, including food, potable water and other such services.

- c. Urban SAR
 - i. Refers generally to Disaster and Collapse SAR as described in the National SAR Plan and Manual.
 - d. Maritime SAR
 - i. Refers to Ocean going SAR
 - e. Aeronautical SAR, includes:
 - i. Fixed Wing
 - ii. Rotary Winged/ Helicopter
3. SAR-related resources such as Citizen Corps (Community Emergency Response Team [CERT], Volunteers in Police Support [VIPS], Medical Reserve Corps [MRC], Fire Corps and other SAR units can be utilized in Cold, Warm, and Hot Zone functions in wilderness and urban/disaster situations when they meet requirements for the given hazards to be entered or encountered at least at the "awareness" level as determined by the Operations Section member with the given hazard knowledge.
 4. Differences in SAR procedures, equipment, training, or application of skills may vary slightly within states and regions as a result of geographic or environmental differences or cultural emphasis on different methods and outlooks, and these differences should be recognized as equally valid as long as they follow a reasonably accepted industry standard or method, as determined by the state or county SAR council, advisory board, or authority.
 5. Training programs or courses provided by private, commercial, or other third parties or those outside the state, regional, county or local AHJ training structure should be recognized at the authority and discretion of individual state, regional, county, local SAR council, advisory board, or authority.

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ACRONYM LIST

ADM	Aeronautical Decision-making
AHJ	Authority Having Jurisdiction
ARDA	American Rescue Dog Association
ASL	Above Sea Level
ASTM	American Society for Testing and Materials
AW	American Whitewater
BTLS	Basic Trauma Life Support
CBRNE	Chemical, Biological, Radiological, Nuclear, and High-Yield Explosives
CDC	Centers for Disease Control
CFR	Code of Federal Regulations
CPAT	Candidate Physical Ability Test
CRM/ADM	Crew Resource Management-Aeronautical Decision Making
CSSCP	Canine Search Specialist Certification Process
DEM	Department of Emergency Management
DHS	U.S. Department of Homeland Security
DOI	Department of Interior
DOI AM	DOI Aviation Management
DOT	Department of Transportation
DSCREP	Disaster Search Canine Readiness Evaluation Process
ECA	Emergency Corrective Actions
ELT	Emergency Locator Transmitter
EMAC	Emergency Management Assistance Compact
EMI	Emergency Management Institute
EMT-B	Emergency Medical Technical- Basic
EMT-P	Emergency Medical Technician- Paramedic
ERI	Emergency Response Institute
FAA	Federal Aviation Administration
FCSS	FEMA Canine Search Specialist
FFSA	FEMA Foundation Skills Assessment

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FEMA	Federal Emergency Management Agency
FUNSAR	Fundamentals of SAR
GPS	Global Positioning System
HazMat	Hazardous Materials
IAFC	International Association of Fire Chiefs
IAFF	International Association of Firefighters
ICS	Incident Command System
IHOG	Interagency Helicopter Operating Procedures
IPWDA	International Police Working Dog Association
IS	Independent Study
JRPAT	Job Related Physical Agility Test
MCI	Mass Casualty Incident
MLPI	Managing the Lost Person Incident
MRA	Mountain Rescue Association
MRSPAT	Mountain Rescue Specific Physical Ability Test
MSO	Managing Search Operations
MSAR	Mounted (equestrian, etc.) SAR
MSHA	Mine Safety and Health Administration
MoSAR	Mountain SAR
NASAR	National Association for SAR
NCIC	Nation Crime Information Center
NCRC	National Cave Rescue Commission
NFA	National Fire Academy
NFPA	National Fire Protection Association
NIMS	National Incident Management System
NRP	National Response Plan
NWS	National Weather Service
OSHA	Occupational Safety and Health Administration
PALS	Pediatric Advanced Life Support
PLS	Pediatric Life Support
PPE	Personal Protective Equipment

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SAR	Search and Rescue
SUSAR	State Urban Search and Rescue
US&R	Urban Search and Rescue
USDA	U.S. Department of Agriculture
USFA	U.S. Fire Administration
USLA	U.S. Lifesaving Association
WFR	Wilderness First Responder
WHO	World Health Organization
WMD	Weapons of Mass Destruction

SAR Job Title 1: Canine Search Specialist, Disaster/Structure Collapse Live (Heavy, Medium, Light)

Description: A *Canine Search Specialist, Disaster/Structure Collapse Live (Heavy, Medium, Light)* is an entry level position, pairing one canine handler and one canine trained to search for and detect live human scent in failed heavy, medium, light frame structures and natural debris fields.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Canine Search Specialist, Disaster/Structure Collapse Live (Heavy, Medium, Light)* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training ²	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. The following portions of NFPA 1670 (2004): Standard on Operations and Training for Technical Search and Rescue Incidents, as a list for individual training subjects: <ul style="list-style-type: none"> • General, Sections 4.4.2.2, 4.5.1.1, 4.5.1.2 • Structural Collapse Awareness , Section 5.2.2 • Rope Rescue Awareness, Section 6.2.2 • Confined Space Awareness , Section 7.2.4 • Water Awareness , Section 9.2.3 • Trench and Excavation Awareness , Section 11.2.3 2. OSHA requirements 29 CFR 1910.120 (Q)(6)(i), HazMat Awareness Level or equivalent basic instruction on responding to and operating in a CBRNE Incident 3. ASTM F-2209 (2003) or equivalent 4. ASTM F-1847 (2005) or equivalent 5. ASTM F-1848 (2005) or equivalent 6. ASTM F-1879 (2005) or equivalent 7. Operational GPS navigation 8. For Heavy and Medium: FEMA Canine Search Specialist Training course (October 2006) or equivalent
	Completion of the following baseline criteria: <ol style="list-style-type: none"> 9. Training in OSHA Duties of the Entrant per 29 CFR 1910.146 10. OSHA 1910.120 and 1910.134 (f) and (k), as related to the appropriate Respiratory Protection requirements
	Completion of the following courses and/or curricula: <ol style="list-style-type: none"> 1. ICS-100: Introduction to ICS 2. ICS-200: Basic ICS 3. FEMA IS-700: NIMS, An Introduction 4. Additional Rope Rescue Training <ul style="list-style-type: none"> • Safety considerations during rope rescue operations • Characteristics of life safety rope and webbing • Application of rope rescue hardware specific to a lowering operation • Application of rope rescue hardware and software specific to a belay line • Assemble and apply a class 3 harness

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	<ul style="list-style-type: none">• Assemble and apply hasty harness• Tie a simple figure 8 knot• Tie a figure 8 follow-through knot• Tie an overhand follow-through with webbing• Attach a prusik loop to a rope• Be familiar with anchor systems• Be familiar with raising and lowering systems• Proficiency in attaching self to, and participating in, a raising or lowering system• Proficiency in descending and ascending a fixed line, low angle
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none">1. Medical fitness requirements established by the AHJ2. Minimum physical fitness standards as required by the AHJ3. Medical/ physical fitness requirements for canine as required by the AHJ
Certification	<ol style="list-style-type: none">1. Must be certified as one of the following;<ul style="list-style-type: none">• Heavy: SUSAR Type I Disaster Search Canine Readiness Evaluation Process (February 2007), or equivalent• Medium: SUSAR Type II Disaster Search Canine Readiness Evaluation Process (February 2007), or equivalent• Light: IPWDA Urban Search and Rescue Disaster Criteria (2005), or equivalent2. Recertification every 2 years or as determined by the AHJ.

¹ Heavy includes heavy floor construction, pre-cast concrete construction, and steel frame construction. Medium includes heavy wall construction. Light includes wood frame construction.

² These requisite criteria are necessary to ensure resources can operate safely and effectively in all-hazards environments.

SAR Job Title 1: Canine Search Specialist, Disaster/Structure Collapse Live (Heavy, Medium, Light)

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Canine Search Specialist, Disaster/Structure Collapse Live (Heavy, Medium, Light)* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	Completion of the following courses and/or curricula: 1. Preparation FEMA Certification (August 2006) training or equivalent 2. NFPA 1670 (2004): Standard on Operations and Training for Technical Search and Rescue Incidents, as a list for individual training subjects: <ul style="list-style-type: none"> • Chapter 9: Water Section 9.3.5
Experience	1. Develop position task books or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations 2. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): 1. Develop uniform national fitness standard
Certification	1. FEMA CSSCP (Canine Search Specialist Certification Process (August 2006)) or equivalent 2. Current Medical First Responder or equivalent

SAR Job Title 2: Canine Search Specialist, Disaster/Structure Collapse Human Remains (Heavy, Medium)

Description: A *Canine Search Specialist, Disaster/Structure Collapse Human Remains (Heavy, Medium)* is an entry level position, pairing one handler and one canine trained to search for and detect human remains in failed heavy, medium, or light frame¹ structures and natural debris fields.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Canine Search Specialist, Disaster/Structure Collapse Human Remains (Heavy, Medium)* to participate in the Incident Management System Division's National Emergency Responder Credentialing System.

Category	Criteria
Training²	<p>Fulfillment of requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. The following portions of NFPA 1670 (2004): Standard on Operations and Training for Technical Search and Rescue Incidents, as a list for individual training subjects: <ul style="list-style-type: none"> • General, Sections 4.4.2.2, 4.5.1.1, 4.5.1.2 • Structural Collapse Awareness, Section 5.2.2 • Rope Rescue Awareness, Section 6.2.2 • Confined Space Awareness, Section 7.2.4 • Water Awareness, Section 9.2.3 • Trench and Excavation Awareness, Section 11.2.3 2. OSHA requirements 29 CFR 1910.120 (Q)(6)(i), HazMat Awareness Level or equivalent basic instruction on responding to and operating in a CBRNE Incident 3. ASTM F-2209 (2003) or equivalent 4. ASTM F-1847 (2005) or equivalent 5. ASTM F-1848 (2005) or equivalent 6. ASTM F-1879 (2005) or equivalent 7. Operational GPS navigation 8. FEMA Canine Search Specialist Training Course (October 2006) or equivalent <p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 9. Training in OSHA Duties of the Entrant per 29 CFR 1910.146. 10. OSHA 1910.120 and 1910.134 (f) and (k), as related to the appropriate Respiratory Protection requirements. <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 11. ICS-100: Introduction to ICS 12. ICS-200: Basic ICS 13. FEMA (IS)-700: NIMS, An Introduction 14. Additional Rope Rescue Training <ul style="list-style-type: none"> • Safety considerations during rope rescue operations • Characteristics of life safety rope and webbing • Application of rope rescue hardware specific to a lowering operation • Application of rope rescue hardware and software specific to a belay line • Assemble and apply a class 3 harness • Assemble and apply hasty harness

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Category	Criteria
	<ul style="list-style-type: none">• Tie a simple figure 8 knot• Tie a figure 8 follow-through knot• Tie an overhand follow-through with webbing• Attach a prussic loop to a rope• Be familiar with anchor systems• Be familiar with raising and lowering systems• Proficiency in attaching self to, and participating in, a raising or lowering system• Proficiency in descending and ascending a fixed line, low angle
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none">1. Medical fitness requirements established by the AHJ2. Minimum physical fitness standards as required by the AHJ3. Medical/physical fitness requirements for canine as required by the AHJ.
Certification	<ol style="list-style-type: none">1. Must be certified as one of the following:<ul style="list-style-type: none">• Heavy: ARDA Mass Fatality Canine Search Evaluation (June 2007) or equivalent• Medium: New Jersey Task Force 1 Type II Disaster Recovery Canine Readiness Evaluation Process (August 2006), or equivalent2. Recertification every 2 years or as determined by the AHJ

¹ Heavy includes heavy floor construction, pre-cast concrete construction, and steel frame construction. Medium includes heavy wall construction. Light includes wood frame construction.

² These requisite criteria are necessary to ensure resources can operate safely and effectively in all-hazards environments.

SAR Job Title 2: Canine Search Specialist, Disaster/Structure Collapse Human Remains (Heavy, Medium)

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management System Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Canine Search Specialist, Disaster/Structure Collapse Human Remains (Heavy, Medium)* to participate in the Incident Management System Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	Completion of the following courses and/or curricula: <ol style="list-style-type: none"> 1. Develop Disaster/Structural Collapse Human Remains Canine Search Specialist Training Course 2. NFPA 1670 (2004): Standard on Operations and Training for Technical Search and Rescue Incidents, as a list for individual training subjects: <ul style="list-style-type: none"> • Chapter 9: Water Search and Rescue Operations, Section 9.3.5 3. Develop training program for light frame structural collapse Human Remains detection
Experience	<ol style="list-style-type: none"> 1. Develop position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operation 2. Criminal Background Checks
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. Develop uniform national fitness standard
Certifications	<ol style="list-style-type: none"> 1. Develop certification standard for light frame structural collapse Human Remains detection 2. Current Medical First Responder or equivalent

SAR Job Title 3: Canine Search Specialist, Land Human Remains (Small, Large)

Description: A *Canine Search Specialist, Land Human Remains (Small, Large)* is an entry level position, pairing one handler and one canine trained to search for and detect small or large quantities¹ of human remains outside the collapsed structure environment.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Canine Search Specialist, Land Human Remains (Small, Large)* to participate in the Incident Management System Division's National Emergency Responder Credentialing System.

Category	Criteria
Training²	<p>Fulfillment of requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. The following portions of NFPA 1670 (2004): Standard on Operations and Training for Technical Search and Rescue Incidents, as a list for individual training subjects: <ul style="list-style-type: none"> • General, Sections 4.4.2.2, 4.5.1.1, 4.5.1.2 • Structural Collapse Awareness, Section 5.2.2 • Rope Rescue Awareness, Section 6.2.2 • Confined Space Awareness, Section 7.2.4 • Water Awareness, Section 9.2.3 • Trench and Excavation Awareness, Section 11.2.3 2. OSHA requirements 29 CFR 1910.120 (Q)(6)(i), HazMat Awareness Level or equivalent basic instruction on responding to and operating in a CBRNE Incident 3. OSHA 1910.120 and 1910.134 (f) and (k), as related to the appropriate Respiratory Protection requirements. 4. ASTM F-2209 (2003) or equivalent 5. ASTM F-1847 (2005) or equivalent 6. ASTM F-1848 (2005) or equivalent 7. ASTM F-1879 (2005) or equivalent 8. Operational GPS navigation <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 9. ICS-100: Introduction to ICS 10. ICS-200: Basic ICS 11. FEMA Independent Study (IS)-700: NIMS, An Introduction
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 1. Medical fitness requirements established by the AHJ 2. Minimum physical fitness standards as required by the AHJ 3. Medical/Physical Fitness requirements for canine as required by the AHJ
Certification	<ol style="list-style-type: none"> 1. Must be certified as one of the following: <ul style="list-style-type: none"> • Small Quantity: NASAR Canine Human Remains Detection (Land), Canine Human Remains Detection Land (IV) (May 2006), field test only, or equivalent • Large Quantity: Commonwealth of Virginia DEM Search and Rescue Program Standards for Virginia Land Cadaver Canine Teams: Above Ground Evaluation and Buried Evaluation or equivalents

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Category	Criteria
	2. Recertification every 2 years or as determined by the AHJ.

¹ Small quantity is defined as less than 15 grams of human remains. Large quantity is defined as 15 grams or more of human remains.

² These requisite criteria are necessary to ensure resources can operate safely and effectively in all-hazards environments.

SAR Job Title 3: Canine Search Specialist, Land Human Remains (Small, Large)

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management System Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Canine Search Specialist, Land Human Remains (Small, Large)* to participate in the Incident Management System Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	Completion of the following courses and/or curricula: 1. NFPA 1670 (2004): Standard on Operations and Training for Technical Search and Rescue Incidents, as a list for individual training subjects: <ul style="list-style-type: none">• Water, Section 9.3.5
Experience	1. Develop position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations. 2. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): 1. Develop uniform national fitness standard
Certifications	Current Medical First Responder or equivalent

SAR Job Title 4: Canine Search Specialist, Water Human Remains (Stillwater, Swiftwater)

Description: A *Canine Search Specialist, Water Human Remains (Stillwater, Swiftwater)* is an entry level position, pairing one handler and one canine trained to search for and detect human remains in and along bodies of both swift and still water.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Canine Search Specialist, Water Human Remains (Stillwater, Swiftwater)* to participate in the Incident Management System Division's National Emergency Responder Credentialing System.

Category	Criteria
Training¹	<p>Fulfillment of requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. The following portions of NFPA 1670 (2004): Standard on Operations and Training for Technical Search and Rescue Incidents, as a list for individual training subjects: <ul style="list-style-type: none"> • General, Sections 4.4.2.2, 4.5.1.1, 4.5.1.2 • Structural Collapse Awareness, Section 5.2.2 • Rope Rescue Awareness, Section 6.2.2 • Confined Space Awareness, Section 7.2.4 • Water Operations, Section 9.3.5 • Trench and Excavation Awareness, Section 11.2.3 2. OSHA requirements 29 CFR 1910.120 (Q)(6)(i), HazMat Awareness Level or equivalent basic instruction on responding to and operating in a CBRNE Incident 3. OSHA 1910.120 and 1910.134 (f) and (k), as related to the appropriate Respiratory Protection requirements. 4. ASTM F-2209 (2003) or equivalent 5. ASTM F-1847 (2005) or equivalent 6. ASTM F-1848 (2005) or equivalent 7. ASTM F-1879 (2005) or equivalent 8. Operational GPS navigation 9. For Swiftwater: NFPA 1670 (2004): Standard on Operations and Training for Technical Search and Rescue Incidents, as a list for individual training subjects: <ul style="list-style-type: none"> • Swiftwater Operations, Section 9.3.9.2 (1,4) <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 10. ICS-100: Introduction to ICS 11. ICS-200: Basic ICS 12. FEMA (IS)-700: NIMS, An Introduction
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 1. Medical fitness requirements established by the AHJ 2. Minimum physical fitness standards as required by the AHJ 3. Medical/Physical Fitness requirements for canine as required by the AHJ
Certification	<ol style="list-style-type: none"> 1. Must be certified as one of the following or its equivalent: <ul style="list-style-type: none"> • Swiftwater: NASAR Canine Certification Programs, Canine HRD(Water), May 2006, Field Stations Only <ul style="list-style-type: none"> • Shore Based/Bank Search Stations 1 and 2 • Openwater Search Stations 1 and 2

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Category	Criteria
	<ul style="list-style-type: none">• Stillwater: NASAR Canine Certification Programs, Canine HRD (Water), May 2006, Field Stations only<ul style="list-style-type: none">• Shore Based/Bank Search Stations 1 and 2• Openwater Search Station 2 <p>2. Recertification every two years or as required by AHJ</p>

¹ These requisite criteria are necessary to ensure resources can operate safely and effectively in all-hazards environments.

SAR Job Title 4: Canine Search Specialist, Water Human Remains (Stillwater, Swiftwater)

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management System Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Canine Search Specialist, Water Human Remains (Stillwater, Swiftwater)* to participate in the Incident Management System Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Experience	<ol style="list-style-type: none">1. Develop position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations2. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. Develop uniform national fitness standard
Certification	Current Medical First Responder or equivalent

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SAR Job Title 5: Canine Search Specialist, Land Live (Large, Small)

Description: A *Canine Search Specialist, Land Live (Large, Small)* is an entry level position, pairing one handler and one canine (non-scent specific) trained to search for and detect live human scent in large and small areas¹ of varied terrain with minimal structures within the search environment.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Canine Search Specialist, Land Live (Large, Small)* to participate in the Incident Management System Division's National Emergency Responder Credentialing System.

Category	Criteria
Training²	<p>Fulfillment of requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. The following portions of NFPA 1670 (2004): Standard on Operations and Training for Technical Search and Rescue Incidents, as a list for individual training subjects: <ul style="list-style-type: none"> • General, Sections 4.4.2.2, 4.5.1.1, 4.5.1.2 • Structural Collapse Awareness, Section 5.2.2 • Rope Rescue Awareness, Section 6.2.2 • Confined Space Awareness, Section 7.2.4 • Water Awareness, Section 9.2.3 • Trench and Excavation Awareness, Section 11.2.3 2. OSHA requirements 29 CFR 1910.120 (Q)(6)(i), HazMat Awareness Level or equivalent basic instruction on responding to and operating in a CBRNE Incident 3. OSHA 1910.120 and 1910.134 (f) and (k), as related to the appropriate Respiratory Protection requirements. 4. ASTM F-2209 (2003) or equivalent 5. ASTM F-1847 (2005) or equivalent 6. ASTM F-1848 (2005) or equivalent 7. ASTM F-1879 (2005) or equivalent 8. Operational GPS navigation <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 9. ICS-100: Introduction to ICS 10. ICS-200: Basic ICS 11. FEMA (IS)-700: NIMS, An Introduction
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 1. Medical fitness requirements established by the AHJ 2. Minimum physical fitness standards as required by the AHJ <p style="text-align: center;">Medical/ Physical Fitness requirements for canine as required by AHJ</p>
Certification	<ol style="list-style-type: none"> 1. Must be certified as one of the following or its equivalent: <ul style="list-style-type: none"> • Large area: Commonwealth of Virginia DEM, Standards for Air Scent Search Dog Teams: 160 Acre Problem and 40 Acre Night Problem • Small area: Massachusetts Search Dog Standard, Field Test for Air Scent Wilderness Search (40 acre heavy brush search), September 2000 2. Recertification every two years or as required by AHJ

¹ Large area is defined as approximately 160 acres. Small area is defined as approximately 40 acres

² These requisite criteria are necessary to ensure resources can operate safely and effectively in all-hazards environments.

SAR Job Title 5: Canine Search Specialist, Land Live (Large, Small)

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management System Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Canine Search Specialist, Land Live (Large, Small)* to participate in the Incident Management System Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Experience	<ol style="list-style-type: none">1. Develop position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations2. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. Develop uniform national fitness standard
Certification	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. Current Medical First Responder or equivalent

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 6: Search and Rescue Technician, Mountain/Technical; Technical Rescue Technician

Description: A *Search and Rescue Technician, Mountain/Technical and Technical Rescue Technician* are entry level positions that search and rescue those in distress in non-technical and technical land and Mountain and Technical environments, and includes areas up to and including snow or ice covered terrain, glaciers, and crevasse.

A “*Technical Rescue Technician*” is a subcategory position that excludes the requisite search components below and corresponds to the NIMS Resource Type of “Mountain & Technical SAR Team”, subcategory of “Technical Rescue Team” (Type V).

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for *Search and Rescue Technician, Mountain/Technical and Technical Rescue Technician*, to participate in the National Emergency Responder Credentialing System.

Category	Criteria
Training	<p>Fulfillment of requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. OSHA 1910.120(Q)(6)(i), HazMat Awareness Training or equivalent basic instruction on responding to and operating in a CBRNE incident 2. MRA 105.1 MSAR Technician or equivalent <ul style="list-style-type: none"> • Excluding search components for a “Technical Rescue Technician”. 3. USDOT First Responder or Wilderness First Responder (WFR) or equivalent 4. OSHA 29 CFR 1910.120 and 1910.134(f) and (k), as related to Respiratory Protection, as applicable. <p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 5. NIMS SAR Technician, Land <ul style="list-style-type: none"> • Excluding search components for the “Technical Rescue Team” members. <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 6. ICS-100: Introduction to ICS 7. FEMA IS-700: NIMS, An Introduction
Experience	Participation in an AHJ currency program
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 1. Medical fitness requirements established by the AHJ 2. Minimum physical fitness standards as required by the AHJ
Certifications	Recertification every 3 years

SAR Job Title 6: Search and Rescue Technician, Mountain/Technical and Technical Rescue Technician

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management System Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Search and Rescue Technician, Mountain/Technical and Technical Rescue Technician* to participate in the Incident Management System Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	Mountain and Technical or Wilderness-specific medical training
Experience	Position taskbooks or equivalent documents that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incidents
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. Development of an Mountain and Technical SAR fitness standard.2. CDC/WHO inoculation recommendations
Certifications	MRA 105.1 MSAR Technician meets the criteria for this job title

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 7: Search and Rescue Squad Officer, Mountain/Technical

Description: A *Search and Rescue Squad Officer, Mountain/Technical* is a SAR Technician, Mountain and Technical who also provides direct supervision, general leadership, wellness, and safety of Mountain and Technical and Land related team members and canine resources and may act as a Technical Specialist-Advisor to General and Command staff regarding Mountain and Technical and Land SAR. Generally reports to a Strike Team/Task Force Leader.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Search and Rescue Squad Officer, Mountain/ Technical*, to participate in the Incident Management System Division's National Emergency Responder Credentialing System.

Category	Criteria
	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. NIMS SAR Technician, Mountain and Technical2. MRA 105.1, Mountain SAR Technician or equivalent, (excluding search components for Type V Technical Rescue Technicians)3. OSHA 1910.120(Q)(6)(i), HazMat Awareness Training or equivalent basic instruction on responding to and operating in a CBRNE incident4. OSHA 29 CFR 1910.120 and 1910.134(f) and (k), as related to Respiratory Protection, as applicable
Training	Completion of the following courses and/or curricula: <ol style="list-style-type: none">5. MRA 105.1 Mountain SAR Technician or equivalent6. ICS-200: Basic ICS7. IS-800, NRP8. Squad Officer Leadership training such as NWCG L-280, "Follower-ship to Leadership"9. Training in awareness of Avalanche Canine capabilities10. General knowledge of Federal, State, or EMAC disaster response criteria and procedures
Experience	<ol style="list-style-type: none">1. Currently recognized or previous experience as a SAR Squad Officer, Mountain and Technical as required by the AHJ2. Participation in an AHJ currency program
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none">1. Medical fitness requirements established by the AHJ2. Minimum physical fitness standards as required by the AHJ

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 7: Search and Rescue Squad Officer, Mountain/Technical

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management System Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Search and Rescue Squad Officer, Mountain/Technical* to participate in the Incident Management System Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	Maintain currency every 3 years
Experience	<ol style="list-style-type: none">1. Position taskbooks or equivalent documents that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incidents2. Criminal background check3. Participation in currency program per AHJ
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. Centers for Disease Control and Prevention (CDC)/ World Health Organization (WHO) inoculation recommendations
Certifications	<ol style="list-style-type: none">1. MRA 105.1 Operations Chief meets the requirements of this job title2. Development of a uniform national training course for this position3. AHJ or equivalent certification every 3 years

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 8: Search and Rescue Strike Team/ Task Force Leader, Mountain/Technical

Description: A SAR Strike Team/ Task Force Leader, Mountain/Technical is a mid level position who is a qualified SAR Squad Officer, Mountain and Technical responsible for direct supervision of multiple wilderness and mountain-related Squad Officers.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a Search and Rescue Strike Team/ Task Force Leader, Mountain/Technical to participate in the Incident Management System Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	<p>Fulfillment of requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. OSHA 1910.120(Q)(6)(i), HazMat Awareness Training or equivalent basic instruction on responding to and operating in a CBRNE incident <p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 2. OSHA 29 CFR 1910.120 and 1910.134(f) and (k), as related to Respiratory Protection, as applicable 3. MRA 105.1, MSAR Operations Chief or equivalent. 4. "Strike Team/ Task Force Leader" and "Leadership" Training Courses, such as NWCG S-330 and L-380 <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 5. ICS-100: Introduction to ICS 6. ICS-200: Basic ICS 7. ICS-300: Intermediate ICS 8. FEMA IS-700: NIMS, An Introduction 9. FEMA IS-800: NRP, An Introduction 10. General knowledge of Federal, State, or EMAC disaster response criteria and procedures.
Experience	<ol style="list-style-type: none"> 1. Current or recent Search and Rescue Squad Officer, Mountain and Technical. 2. 3 years field experience in Mountain and Technical SAR prior to promotion to Strike Team/Task Force Leader 3. Participation in an AHJ currency program
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 1. Medical fitness requirements established by the AHJ 2. Minimum physical fitness standards as required by the AHJ

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 8: Search and Rescue Strike Team/ Task Force Leader, Mountain/Technical

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management System Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Search and Rescue Strike Team/ Task Force Leader, Mountain/Technical* to participate in the Incident Management System Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	<ol style="list-style-type: none">1. OSHA 1910.120(Q)(6)(ii), HazMat Operations Training or equivalent basic instruction on responding to and operating in a CBRNE incident2. Maintain currency every 3 years
Experience	Position taskbooks or equivalent documents that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incidents
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. CDC/WHO inoculation recommendations
Certifications	MRA 105.1 Operations Chief meets the requirements for this job title

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 9: Search and Rescue Technician, Land

Description: A *Search and Rescue Technician, Land* is an entry-level position within a Land SAR Team who searches for and rescues those in distress in land-based, non-technical environments up to and including low angle and possibly screen-type evacuations. Certain specialized environments may require other endorsements, training by the AHJ or additional credentials (mountain/technical, cave, mine, water, HazMat, etc.).

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Search and Rescue Technician, Land* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. ASTM F-2209 or equivalent 2. OSHA 29 CFR 1910.120(Q)(6)(i), HazMat Awareness Training or equivalent basic instruction on responding to and operating in a CBRNE incident 3. OSHA 29 CFR 1910.120 and 1910.134(f) and (k), as related to Respiratory Protection, as applicable
	Completion of the following baseline criteria: <ol style="list-style-type: none"> 4. First Aid and CPR 5. Basic Aviation Safety, such as Department of Interior, Aviation Management B-3 course 6. Still and Swiftwater Safety and SAR Awareness as required by the AHJ 7. Confidentiality Issues 8. For drivers: driver's safety, as required by the AHJ 9. Animal evacuations issues 10. Performing non-technical evacuations as required by the AHJ
	Completion of the following courses and/or curricula: <ol style="list-style-type: none"> 11. ICS-100: Introduction to ICS 12. FEMA IS-700: NIMS, An Introduction
	<hr/> <ol style="list-style-type: none"> 1. Participation in an AHJ currency program (ongoing participation and training)
Experience	Completion of the following baseline criteria: <ol style="list-style-type: none"> 1. Medical requirements established by the AHJ 2. Minimum physical fitness standards as required by ASTM F2209, 5.5.12.

SAR Job Title 9: Search and Rescue Technician, Land

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Search and Rescue Technician, Land*, to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	<ol style="list-style-type: none"> 1. Minimum of Wilderness First Aid or equivalent 2. ICS-200: Basic ICS
Experience	<ol style="list-style-type: none"> 1. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incidents 2. Criminal background check 3. Participation in currency program per AHJ requirements 4. AHJ validation of credentials every 3 years
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. Minimum physical fitness standards as required by NWCG Work Capacity Test (moderate-level, NWCG PMS 307) or equivalent 2. CDC/ WHO recommended inoculations
Certification	<ol style="list-style-type: none"> 1. Develop a uniform national certification course for this position 2. MRA 105.1 Operational Level meets the criteria for this job title

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 10: Search and Rescue Squad Officer, Land

Description: A *Search and Rescue Squad Officer, Land* is a SAR Technician who also provides direct supervision, general leadership, wellness, and safety of Land SAR team members and canine resources and may act as a Technical Specialist-Advisor regarding Land SAR. Generally reports to a Strike Team/Task Force Leader.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Search and Rescue Squad Officer, Land* to participate in the Incident Management System Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. OSHA 1910.120(Q)(6)(i), HazMat Awareness Training or equivalent basic instruction on responding to and operating in a CBRNE incident Completion of the following courses and/or curricula: <ol style="list-style-type: none">2. All training required for the SAR Technician, Land3. ICS-200: Basic ICS4. FEMA IS-800: NRP, An Introduction5. Squad Officer training such as NWCG L-280, Follower-ship to Leadership, or discipline equivalent6. General knowledge of Federal, State, or EMAC disaster response criteria and procedures
Experience	<ol style="list-style-type: none">1. Currently recognized or previous experience as a SAR Squad Officer as required by the AHJ2. Maintain qualifications as required by AHJ (change throughout)
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none">1. Medical requirements established by the AHJ2. Minimum physical fitness standards as required by the AHJ

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 10: Search and Rescue Squad Officer, Land

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management System Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Search and Rescue Squad Officer, Land* to participate in the Incident Management System Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	
Experience	<ol style="list-style-type: none">1. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incidents2. Criminal background check3. Participation in currency program per AHJ (change to new wording)4. AHJ validation of credentials every 3 years
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. Minimum physical fitness standards as required by NWCG Work Capacity Test, "Moderate"-level, (NWCG PMS 307) or equivalent
Certification	<ol style="list-style-type: none">1. MRA 105.1 SAR Technician meets the requirements of this job title2. Recertification every 3 years3. Develop a uniform national certification course for this position

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 11: Search and Rescue Strike Team/Task Force Leader, Land

Description: A *Search and Rescue Strike Team/ Task Force Leader, Land* is responsible for direct supervision of multiple Squad Officers and Land and Water Canine Search resources.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Search and Rescue Strike Team/Task Force Leader, Land* to participate in the Incident Management System Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	Completion of the following baseline criteria: <ol style="list-style-type: none">1. All training required for the SAR Squad Officer, Land2. "Strike Team/ Task Force Leader" and "Leadership" Training Courses, such as NWCG S-330 and L-380
	Completion of the following courses and/or curricula: <ol style="list-style-type: none">3. ICS-300: Intermediate ICS4. FEMA IS-800: NRP, An Introduction5. NIMS SAR Squad Officer trained6. A search management and planning course, as determined by the AHJ7. Awareness training for Capabilities of Canine Search, Land and Water8. General knowledge of Federal, State, or EMAC disaster response criteria and procedures
Experience	<ol style="list-style-type: none">1. Currently recognized or previous experience as a SAR Strike Team/Task Force Leader, as required by the AHJ2. Experience as a SAR Squad Officer, to a level required by the AHJ3. Maintain qualifications as required by AHJ
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none">1. Medical fitness requirements established by the AHJ2. Minimum physical fitness standards as required by the AHJ

SAR Job Title 11: Search and Rescue Strike Team/Task Force Leader, Land

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management System Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Search and Rescue Strike Team / Task Force Leader, Land* to participate in the Incident Management System Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Experience	<ol style="list-style-type: none">1. Position taskbooks or documentation equivalent that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incidents2. Criminal background check3. Participation in currency program per AHJ (change to new wording)
Certification	<ol style="list-style-type: none">1. Certification every 3 years2. Develop a uniform national certification course for this position.

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 12: Structure Collapse Search Technician

Description: A *Structure Collapse Search Technician* identifies hazards, uses equipment, and applies advanced search techniques in collapsed buildings.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Structure Collapse Search Technician* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	<p>Fulfillment of requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. The following portions of NFPA 1670 Standard on Operations and Training for Technical Search and Rescue Incidents (2004): for individual training subjects: <ol style="list-style-type: none"> a. Structural Collapse Operations, (5.3) 2. OSHA requirements 29 CFR 1910.120 (Q)(6)(i), HazMat Awareness Level or equivalent basic instruction on responding to and operating in a CBRNE Incident with the exception of all structural incident searches which require OSHA requirements 29 CFR 1910.120 (Q)(6)(ii), HazMat Operations Level or equivalent basic instruction on responding to and operating in a CBRNE incident. 3. ASTM F-2209 or equivalent 4. OSHA Duties of the Entrant per 29 CFR 1910.146 <hr/> <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 5. ICS-100: Introduction to ICS 6. ICS-200: Basic ICS 7. FEMA Independent Study (IS)-700: NIMS, An Introduction 8. FEMA Technical Search Specialist Training course or equivalent 9. FEMA GPS course or equivalent
Physical/ Medical Fitness	<ol style="list-style-type: none"> 1. Medical fitness requirements established by the AHJ 2. Minimum physical fitness standards as required by the AHJ
Certification	<p>Emergency Medical provider as specified in NFPA 1006: Standard for Rescue Technician Professional Qualifications (2003), or equivalent</p>

SAR Job Title 12: Structure Collapse Search Technician

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Structure Collapse Search Technician* to participate in the Incident Management Systems Division National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	Completion of the following courses and/or curricula: <ol style="list-style-type: none"> 1. DOJ Emergency Response to Terrorism, Basic Concepts or equivalent 2. FEMA Structural Collapse Technician Course, or equivalent 3. Continuing education requirements for training 4. Recertification and verification of all training listed above
Experience	<ol style="list-style-type: none"> 1. Position taskbooks or equivalent documents that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incidents 2. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. NFPA 1582 Standard on Comprehensive Occupational Medical Program for Fire Departments (2007)² 2. NFPA 1584 Standard on Medical Requirements for Fire Fighters. 3. NFPA 1583 Standard on Health-Related Fitness Programs for Fire Fighters, (2000), CPAT, and IAFF/IAFC Joint Labor Management Wellness Fitness Initiative
Certification	Completion of the following training courses: <ol style="list-style-type: none"> 1. EMT-Basic as specified in NFPA 1006: Standard for Rescue Technician Professional Qualifications (2003), or equivalent

⁵ That NFPA 1582, Standard on Comprehensive Occupational Medical Program for Fire Departments, as recommended by NFPA 1006, be adopted. Where necessary, additional inoculations specific to the incident environment may be required.

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 13: Structure Collapse Rescue Technician

Description: A *Structure Collapse Rescue Technician* identifies hazards, uses equipment, and applies advanced rescue techniques in collapsed buildings.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Structure Collapse Rescue Technician* to participate in the Incident Management Systems Division National Emergency Responder Credentialing System.

Category	Criteria
Training	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. NFPA 1006: Standard for Rescue Technician Professional Qualifications (2003): Chapter 10 2. NFPA 1670: Standard on Operations and Training for Technical Search and Rescue Incidents (2004); Ch 5.3 3. OSHA 1910.120 (Q)(6)(ii), HazMat Operations Training or equivalent basic instruction on responding to and operating in a CBRNE incident 4. OSHA Duties of the Entrant 29 CFR 1910.146 Completion of the following baseline criteria: <ol style="list-style-type: none"> 5. OSHA 1910.120 and/or 1910.134(f), Respiratory Protection 6. Emergency medical care provider Completion of the following courses and/or curricula: <ol style="list-style-type: none"> 7. ICS-100: Introduction to ICS 8. ICS-200: Basic ICS 9. FEMA IS-700: NIMS, An Introduction
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none"> 1. Minimum physical fitness standards as required by the AHJ 2. Medical fitness requirements as required by the AHJ..
Certification	<ol style="list-style-type: none"> 1. Appropriate Rescue Technician certification as required by the AHJ 2. Emergency medical provider as specified in NFPA 1006: Standard for Rescue Technician Professional Qualifications (2003)

SAR Job Title 13: Structure Collapse Rescue Technician

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Structure Collapse Rescue Technician* to participate in the Incident Management Systems Division National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	Completion of the following courses and/or curricula: <ol style="list-style-type: none"> 1. DOJ Emergency Response to Terrorism, Basic Concepts, or equivalent. 2. FEMA GPS course, or equivalent 3. FEMA/US&R WMD Enhanced Operations, or equivalent 4. Continuing education requirements for training 5. Recommend recertification and verification of all training listed above 6. Recommend development of continuing education requirements for training 7. Critical Incident Stress Management 8. FEMA/US&R Structural Collapse Technician course, or equivalent 9. Heavy equipment operations
Experience	<ol style="list-style-type: none"> 1. Annual refresher of skills per AHJ requirements obtainable through training or incident operations 2. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations 3. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. NFPA 1582 Standard on Comprehensive Occupational Medical Program for Fire Departments (2007)³ 2. NFPA 1584 Standard on Medical Requirements for Fire Fighters. 3. NFPA 1583 Standard on Health-Related Fitness Programs for Fire Fighters, (2000), CPAT, and IAFF/IAFC Joint Labor Management Wellness Fitness Initiative
Certification	Completion of the following training courses: <ol style="list-style-type: none"> 1. EMT-Basic as specified in NFPA 1006: Standard for Rescue Technician Professional Qualifications (2003), or equivalent

³ That NFPA 1582, Standard on Comprehensive Occupational Medical Program for Fire Departments (2007), as recommended by NFPA 1006, be adopted. Where necessary, additional inoculations specific to the incident environment may be required.

DESIGNING A NATIONAL EMERGENCY RESPONDER CREDENTIALING SYSTEM

SAR Job Title 14: Structure Collapse Search Squad Officer

Description: A *Structure Collapse Search Squad Officer* provides direct supervision, general leadership, wellness, and safety of Structure Collapse/Disaster team members under the supervision of a Task Force /Strike Team Leader or may be used as a Technical Specialist in an advisory capacity to provide search knowledge and assistance during land and structural collapse incidents.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Structure Collapse Search Squad Officer* to participate in the Incident Management Systems Division National Emergency Responder Credentialing System.

Category	Criteria
Training	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">The following portions of NFPA 1670 Standard on Operations and Training for Technical Search and Rescue Incidents (2004): for individual training subjects:<ol style="list-style-type: none">Structural Collapse Operations, (5.3)OSHA requirements 29 CFR 1910.120 (Q)(6)(i), HazMat Awareness Level or equivalent basic instruction on responding to and operating in a CBRNE Incident with the exception of all structural incident searches which require OSHA requirements 29 CFR 1910.120 (Q)(6)(ii), HazMat Operations Level or equivalent basic instruction on responding to and operating in a CBRNE incidentASTM F-2209 or equivalentOSHA Duties of the Entrant per 29 CFR 1910.146
	Completion of the following courses and/or curricula: <ol style="list-style-type: none">ICS-100: Introduction to ICSICS-200: Basic ICSFEMA Independent Study (IS)-700: NIMS, An IntroductionFEMA Canine Search Specialist Training course or equivalentFEMA Technical Search Specialist Training course or equivalentFEMA GPS course or equivalent
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none">Medical fitness requirements established by the AHJMinimum physical fitness standards as required by the AHJ
Certification	Emergency Medical provider as specified in NFPA 1006: Standard for Rescue Technician Professional Qualifications (2003), or equivalent

SAR Job Title 14: Structure Collapse Search Squad Officer

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Structure Collapse Search Squad Officer* to participate in the Incident Management Systems Division National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	Completion of the following courses and/or curricula: 1. DOJ Emergency Response to Terrorism, Basic Concepts , or equivalent 2. FEMA Structural Collapse Technician Course, or equivalent 3. Continuing education requirements for training 4. Recertification and verification of all training listed above 5. Develop a Squad Leader Training Course 6. ICS-300: Intermediate ICS 7. FEMA Canine Search Specialist Training course or equivalent
Experience	1. Position taskbooks or equivalent documents that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations. 2. Annual refresher of skills per AHJ requirements obtainable through training or incident operations. 3. Three years experience in various types of search operations 4. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): 1. EMT-Basic per NFPA 1006: Standard for Rescue Technician Professional Qualifications (2003), or equivalent

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SAR Job Title 15: Structure Collapse Rescue Squad Officer

Description: A *Structure Collapse Rescue Squad Officer* is a qualified Rescue Technician who also provides direct supervision, general leadership, wellness, and safety of Structure Collapse team members under the supervision of a Task Force /Strike Team Leader.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Structure Collapse Rescue Squad Officer* to participate in the Incident Management Systems Division National Emergency Responder Credentialing System.

Category	Criteria
Training	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. NFPA 1006 : Standard for Rescue Technician Professional Qualifications Professional Qualifications (2003); Chapter 102. NFPA 1670: Standard on Operations and Training for Technical Search and Rescue Incidents (2004); Ch 5.33. OSHA 1910.120 (Q)(6)(ii), HazMat Operations Training or equivalent basic instruction on responding to and operating in a CBRNE incident4. OSHA Duties of the Entrant 29 CFR 1910.146
	Completion of the following baseline criteria: <ol style="list-style-type: none">5. OSHA 1910.120 and/or 1910.134(f), Respiratory Protection6. Emergency medical care provider
	Completion of the following courses and/or curricula: <ol style="list-style-type: none">7. ICS-100: Introduction to ICS8. ICS-200: Basic ICS9. FEMA IS-700: NIMS, An Introduction
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none">1. Minimum physical fitness standards as required by the AHJ2. Medical fitness requirements as required by the AHJ
Certification	<ol style="list-style-type: none">1. Appropriate Rescue Technician certification as required by the AHJ2. Emergency medical provider as specified in NFPA 1006: Standard for Rescue Technician Professional Qualifications (2003), or equivalent

SAR Job Title 15: Structure Collapse Rescue Squad Officer

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Structure Collapse Rescue Squad Officer* to participate in the Incident Management Systems Division National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	Completion of the following courses and/or curricula: <ol style="list-style-type: none"> 1. DOJ Emergency Response to Terrorism, Basic Concepts, or equivalent 2. FEMA GPS course, or equivalent 3. FEMA/US&R WMD Enhanced Operations, or equivalent 4. Continuing education requirements for training 5. Recommend recertification and verification of all training listed above 6. Recommend development of continuing education requirements for training 7. Critical Incident Stress Management 8. FEMA/US&R Structural Collapse Technician course, or equivalent 9. Fire Officer I, NFPA 1021 or other professional equivalent 10. ICS-300: Intermediate ICS 11. Heavy equipment operations
Experience	<ol style="list-style-type: none"> 1. Annual refresher of skills per AHJ requirements obtainable through training or incident operations 2. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations 3. Three years experience in structural collapse rescue operations 4. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. NFPA 1582, Standard on Comprehensive Occupational Medical Program for Fire Departments (2007)⁴ 2. NFPA 1584 Standard on Medical Requirements for firefighters 3. NFPA 1583 Standard on Health-Related Fitness Programs for Fire Fighters, (2000), CPAT, and International Association of Firefighters (IAFF)/International Association of Fire Chiefs (IAFC) Joint Labor Management Wellness Fitness Initiative
Certification	Completion of the following training courses: <ol style="list-style-type: none"> 1. EMT-Basic as specified in NFPA 1006: Standard for Rescue Technician Professional Qualifications (2003), or equivalent

⁴ That NFPA 1582, Standard on Comprehensive Occupational Medical Program for Fire Deaprtments (2007), as recommended by NFPA 1006, be adopted. Where necessary, additional inoculations specific to the incident environment may be required.

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SAR Job Title 16: Swiftwater/ Flood Rescue Technician

Description: A *Swiftwater/Flood Rescue Technician* is an entry-level position within a water rescue task force that responds to searches and rescues from shore and in water, consistent with NFPA 1006 (2003).

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Swiftwater/ Flood Rescue Technician* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	<p>Fulfillments of applicable requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. Rescue Technician as required by the AHJ. NFPA 1006: Standard for Rescue Technician (2008) as it relates to surface water rescue meets or exceeds this criteria. The NFPA 1006 references are: Chapter 4 Chapter 5 Chapter 6 Chapter 11 Chapter 12 2. Training Standards as required by the AHJ. NFPA 1670 Standards on Operations and Training for Technical Search and Rescue Incidents (2004), or equivalent as it relates to surface water rescue meets or exceeds this criteria. The NFPA 1670 references are: Chapter 4 Chapter 9 (9.1 through 9.3.5 and 9.3.9 through 9.4.5 and 9.4.9) 3. OSHA 1910.120(Q)(6)(ii) HazMat Operations Training and/or NFPA 472 HazMat Operations, , or equivalent basic instruction on responding to and operating in a CBRNE incident <p>Completion of the following baseline criteria as required by the AHJ:</p> <ol style="list-style-type: none"> 4. OSHA 1910.120 and/or 1910.134(f) Respiratory Protection 5. Emergency Medical First Responder per NFPA 1670 (2004) 4.1.6 or equivalent 6. Per the applicable job performance requirements as stipulated in NFPA 1006 Chapter 5 and 6 (2008) or equivalent 7. Training in rating of Class 3, per AWA Section VI Safety Code or higher whitewater 8. Night operations <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 9. ICS-100: Introduction to ICS 10. ICS-200: Basic ICS 11. FEMA IS-700: NIMS, An Introduction 12. FEMA IS-800.B: National Response Framework (NRF), An Introduction
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 1. Medical requirements established by the AHJ 2. Minimum physical fitness and swimming standards, JRPAT, as required by the AHJ

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Category	Criteria
Certification	Certification by AHJ of all training requirements listed above

SAR Job Title 16: Swiftwater/Flood Rescue Technician

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Swiftwater/ Flood Rescue Technician* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Education	Completion of the following training courses: 1. EMT- B level or higher as defined by the NIMS EMS credentialing
Training	Completion of the following courses and/or curricula: 1. Recertification of all training requirements listed above 2. Search training per ASTM F2209 or equivalent
Experience	1. Position taskbooks that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incidents every year or as dictated by need 2. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): 1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or equivalent 2. When necessary additional inoculations specific to the incident environment may be required. CDC/WHO recommended inoculations as needed
Certification	1. Completion of certification as: <ul style="list-style-type: none"> • EMT-B level as defined by the NIMS EMS Credentialing 2. Recertification of all training requirements listed above 3. Develop uniform national swiftwater certification standards

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SAR Job Title 17: Swiftwater/ Flood Rescue Technician- Boat Bowman

Description: A *Swiftwater/Flood Rescue Technician- Boat Bowman* is an entry-level position within a Swiftwater/ Flood boat rescue team that can affect in-water and boat-based (paddle and/or powered) rescues, while meeting the requirements to be a Swiftwater/ Flood Rescue Technician.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Swiftwater/Flood Rescue Technician- Boat Bowman* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
	<p>Fulfillment of applicable requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. Rescue technician as required by the AHJ. NFPA 1006: Standard for Rescue Technician (2008), or equivalent, as it relates to surface water rescue meets or exceeds this criteria. The NFPA references are: Chapter 4 Chapter 5 Chapter 6 Chapter 11 Chapter 12 2. Training Standards as required by the AHJ. NFPA 1670 Standard and Operations and Training for Technical Search and Rescue Incidents (2004) or equivalent, as it relates to surface water rescue meets or exceeds this criteria. The NFPA references are: Chapter 4 Chapter 9 (9.1 through 9.3.5 and 9.3.9 through 9.4.5 and 9.4.9) 3. OSHA 1910.120(Q)(6)(ii), HazMat Operations Training and/or NFPA 472 HazMat Operations and/or equivalent basic instruction on responding to and operating in a CBRNE incident
Training	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 4. OSHA 1910.120 and/or 1910.134(f) Respiratory Protection 5. Emergency Medical First Responder per NFPA 1670 (2004) 4.1.6 or equivalent 6. Per the job performance requirements as stipulated in NFPA 1006 (2003) 7. Training in rating of Class 3, per AW Section VI Safety Code or higher whitewater 8. Night operations 9. Use of related tools, devices, and equipment 10. Use of appropriate craft in aquatic environment 11. Boat and motor support (maintenance, trailering, and repair) 12. GPS/maps and compass 13. Assist with operations of craft in Class 1-3, per American Whitewater Section VI Safety Code, swiftwater/flood conditions 14. SRT/Flood Technician <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 15. ICS-100: Introduction to ICS 16. ICS-200: Basic ICS 17. FEMA IS-700: NIMS, An Introduction 18. FEMA IS-800.B: National Response Framework (NRF), An Introduction

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Category	Criteria
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none">1. Medical requirements established by the AHJ2. Minimum physical fitness and swimming standards, JRPAT, as required by the AHJ
Certification	Certification by the AHJ of all training requirements listed above

SAR Job Title 17: Swiftwater/Flood Rescue Technician- Boat Bowman

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Swiftwater/Flood Rescue Boat Technician- Bowman* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Education	Completion of the following training courses: 1. EMT- B level or higher as defined by NIMS EMS credentialing
Training	Completion of the following courses and/or curricula: 1. ASTM F2209 or equivalent
Experience	1. Annual refresher of skills per AHJ requirements obtainable through training or incident operations 2. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations 3. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): 1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or equivalent 2. When necessary additional inoculations specific to the incident environment may be required. CDC/WHO recommended inoculations as needed
Certification	1. Completion of certification as: <ul style="list-style-type: none"> • EMT-B level as defined by NIMS EMS Credentialing 2. Develop uniform national swiftwater boat operations certification standards

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SAR Job Title 18: Swiftwater/ Flood Rescue Technician- Boat Operator

Description: A *Swiftwater/Flood Rescue Technician- Boat Operator* is an entry-level position within a Swiftwater/ Flood boat rescue team that affects in-water and boat-based (paddle and/or powered) rescues while meeting the requirements to be a Swiftwater/ Flood Rescue Technician. This position is considered “boat captain” as has the ultimate responsibility for boat operations.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Swiftwater/ Flood Rescue Technician- Boat Operator* to participate in the Incident Management Systems Division’s National Emergency Responder Credentialing System.

Category	Criteria
	<p>Fulfillment of applicable requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. Rescue Technician as required by the AHJ. NFPA 1006: Standard for Rescue Technician (2008) or equivalent, as it relates to surface water rescue meets or exceeds this criteria. The NFPA references are: Chapter 4 Chapter 5 Chapter 6 Chapter 11 Chapter 12 2. Training standards as required by the AHJ. NFPA 1670 Standards and Operations and Training for Technical Search and Rescue Incidents (2004) or equivalent as it relates to surface water rescue meets or exceeds this criteria. The NFPA references are: Chapter 4 Chapter 9 (9.1 through 9.3.5 and 9.3.9 through 9.4.5 and 9.4.9) 3. OSHA 1910.120(Q)(6)(ii), HazMat Operations Training and/or NFPA 472 HazMat Operations or equivalent basic instruction on responding to and operating in a CBRNE incident
Training	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 4. OSHA 1910.120 and/or 1910.134(f) Respiratory Protection 5. Emergency Medical First Responder per NFPA 1670 (2004) 4.1.6 or equivalent 6. Per the job performance requirements as stipulated in NFPA 1006 (2003) 7. Operate craft in Class 1-3, per AW section VI Safety Code, swiftwater/flood conditions based on: <ul style="list-style-type: none"> • Class 3 (Type I, II, III qualified in IRB) • Type IV qualified in Class 1 (john boat, PWC, airboat) 8. Night Operations 9. Use of related tools, devices, and equipment 10. Use of power and paddle craft in aquatic environment 11. Boat support (maintenance, trailering, and repair) 12. Certification/qualification as a boat bowman when applicable 13. GPS/Map and Compass 14. SRT/Flood Technician <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 15. ICS-100: Introduction to ICS 16. ICS-200: Basic ICS

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Category	Criteria
	<ul style="list-style-type: none">17. FEMA IS-700: NIMS, An Introduction18. FEMA IS-800.B: National Response Framework (NRF), An Introduction
Physical/ Medical Fitness	Completion of the following baseline criteria: <ul style="list-style-type: none">1. Medical requirements established by the AHJ2. Minimum physical fitness and swimming standards, JRPAT, as required by the AHJ
Certification	Certification by the AHJ of all training requirements listed above.

SAR Job Title 18: Swiftwater/Flood Rescue Technician- Boat Operator

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Swiftwater/ Flood Rescue Boat Technician-Boat Operator* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Education	Completion of the following training courses: 1. EMT- B level or higher as defined by NIMS EMS credentialing
Training	ASTM F2209 or equivalent
Experience	1. Annual refresher of skills per AHJ requirements obtainable through training or incident operations 2. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations 3. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): 1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or equivalent 2. When necessary additional inoculations specific to the incident environment may be required. CDC/WHO recommended inoculations as needed
Certification	1. Completion of certification as: • EMT-B level as defined by NIMS EMS Credentialing 2. Recertification of all training requirements listed above 3. Develop uniform national swiftwater boat operator certification standards

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SAR Job Title 19: Swiftwater/ Flood Technician- Animal Rescue

Description: A *Swiftwater/Flood Technician- Animal Rescue* is an entry level position within a water rescue team that affects animal rescues from shore and in the water, while meeting the requirements to be a Swiftwater/Flood Rescue Technician, as consistent with NFPA 1006.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Swiftwater/Flood Technician- Animal Rescue* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	<p>Fulfillment of applicable requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. Rescue Technician as required by the AHJ. NFPA 1006: Standard for Rescue Technician (2008) or equivalent, as it relates to surface water rescue meets or exceeds this criteria. The NFPA references are: Chapter 4 Chapter 5 Chapter 6 Chapter 11 Chapter 12 2. Training standards as required by the AHJ. NFPA 1670 Standards and Operations and Training for Technical Search and Rescue Incidents (2004) or equivalent, as it relates to surface water rescue meets or exceeds this criteria. The NFPA refernces are: Chapter 4 Chapter 9 (9.1 through 9.3.5 and 9.3.9 through 9.4.5 and 9.4.9) 3. OSHA 1910.120(Q)(6)(ii), HazMat Operations Training and/or NFPA 472 HazMat Operations or equivalent basic instruction on responding to and operating in a CBRNE incident 4. Animal rescue course commensurate with deployment environment 5. Animal behavior course commensurate with deployment environment <p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 6. OSHA 1910.120 and/or 1910.134(f) Respiratory Protection 7. Emergency Medical First Responder per NFPA 1670 (2004) 4.1.6 or equivalent 8. Per the job performance requirements as stipulated in NFPA 1006 (2003) 9. Training in rating of Class 3, per AW Section VI Safety Code or higher whitewater 10. Night operations <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 11. ICS-100: Introduction to ICS 12. ICS-200: Basic ICS 13. FEMA IS-700: NIMS, An Introduction 14. FEMA IS-800.B: National Response Framework (NRF), An Introduction
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 1. Medical requirements established by the AHJ 2. Minimum physical fitness and swimming standards, JRPAT, as required by the

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Category	Criteria
	AHJ.
Certification	Certification by the AHJ of all training requirements listed above.

SAR Job Title 19: Swiftwater/Flood Technician- Animal Rescue

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Swiftwater/Flood Technician- Animal Rescue* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Education	Completion of the following training courses: 1. EMT- B level or higher as defined in NIMS EMS Credentialing
Training	Completion of the following courses and/or curricula: 1. Recertification of all training requirements listed above 2. Search training per ASTM F2209 or equivalent
Experience	1. Annual refresher of skills per AHJ requirements obtainable through training or incident operations. 2. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations. 3. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): 1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or equivalent 2. When necessary additional inoculations specific to the incident environment may be required. CDC/WHO recommended inoculations as needed
Certification	Completion of certification as: 1. EMT-B level as defined by the NIMS EMS Credentialing 2. Recertification of all training requirements listed above 3. Develop uniform national swiftwater/flood animal rescue certification standards

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SAR Job Title 20: Swiftwater/ Flood Rescue Squad Leader

Description: A *Swiftwater/Flood Rescue Squad Leader* is a mid-level position within a water rescue team that supervises Swiftwater/Flood Rescue Technicians and/or Swiftwater/Flood Boat Squads and provides direct supervision, general leadership, wellness and safety of team members within an ICS Unit.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Swiftwater/Flood Rescue Squad Leader* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	<p>Fulfillment of applicable requirement(s) as stated in the following standard(s), or equivalent:</p> <ol style="list-style-type: none"> 1. Rescue Technician as required by the AHJ. NFPA 1006: Standard for Rescue Technician (2008) or equivalent, as it relates to surface water rescue meets or exceeds this criteria. The NFPA references are: Chapter 4 Chapter 5 Chapter 6 Chapter 11 Chapter 12 2. Training standards as required by the AHJ. NFPA 1670 Standards and Operations and Training for Technical Search and Rescue Incidents (2004) or equivalent as it relates to surface water rescue, meets or exceeds this criteria. The NFPA references are: Chapter 4 Chapter 9 (9.1 through 9.3.5 and 9.3.9 through 9.4.5 and 9.4.9) 3. OSHA 1910.120(Q)(6)(ii), HazMat Operations Training and/or NFPA 472 HazMat Operations or equivalent basic instruction on responding to and operating in a CBRNE incident <p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 4. OSHA 1910.120 and/or 1910.134(f) Respiratory Protection 5. Emergency Medical First Responder per NFPA 1670 (2004) 4.1.6 or equivalent 6. Per the job performance requirements as stipulated in NFPA 1006 (2003) 7. Training in rating of Class 3, per AW Section VI Safety Code or higher whitewater 8. Night operations 9. Use of related tools, devices, and equipment 10. Advance rope skills 11. Active and passive search techniques 12. Low head dam rescue operations 13. Multiple victims 14. Managing squad-sized teams during emergency operations 15. GPS/maps and compass <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 16. ICS-100: Introduction to ICS 17. ICS-200: Basic ICS

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Category	Criteria
	<ol style="list-style-type: none">18. ICS-300: Intermediate ICS19. FEMA IS-700: NIMS, An Introduction20. FEMA IS-800.B: National Response Framework (NRF), An Introduction21. Recertification of all training requirements listed above22. Search training per ASTM F2209 or equivalent
Experience	Squad leaders should meet or exceed the requisites for personnel within their supervised squad
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none">1. Medical requirements established by the AHJ2. Minimum physical fitness and swimming standards, JRPAT, as required by the AHJ
Certification	Certification by the AHJ of all training requirements listed above.

SAR Job Title 20: Swiftwater/Flood Rescue Squad Leader

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Swiftwater/Flood Rescue Squad Leader* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Education	Completion of the following training courses: <ol style="list-style-type: none"> 1. EMT- B level or higher as defined by NIMS EMS Credentialing
Training	<ol style="list-style-type: none"> 1. In accordance with ASTM F2209 or equivalent 2. Completion of a swift/water/flood rescue management program 3. Recertification of all training requirements listed above
Experience	<ol style="list-style-type: none"> 1. Annual refresher of skills per AHJ requirements obtainable through training or incident operations. 2. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations. 3. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or equivalent. 2. When necessary additional inoculations specific to the incident environment may be required. CDC/WHO recommended inoculations as needed
Certification	<ol style="list-style-type: none"> 1. Completion of certification as: <ul style="list-style-type: none"> • EMT-B level as defined by NIMS EMS Credentialing 2. Recertification of all training requirements listed above 3. Develop uniform national swiftwater/flood squad leader certification standards

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SAR Job Title 21: Swiftwater/ Flood Rescue Strike Team/Task Force Leader

Description: A *Swiftwater/Flood Rescue Strike Team/Task Force Leader* is a qualified Swiftwater/Flood Rescue Manager responsible for direct supervision of multiple Squad Leaders or teams within an Operational Division/Group.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Swiftwater/Flood Rescue Strike Team/Task Force Leader* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
	Fulfillment of applicable requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. Rescue Technician as required by the AHJ. NFPA 1006: Standard for Rescue Technician (2008) or equivalent as it relates to surface water rescue, meets or exceeds this criteria. The NFPA references are:<ul style="list-style-type: none">Chapter 4Chapter 5Chapter 6Chapter 11Chapter 122. Training standards as required by the AHJ. NFPA 1670 Standards and Operations and Training for Technical Search and Rescue Incidents (2004) or equivalent, as it relates to surface water rescue meets or exceeds this criteria. The NFPA references are:<ul style="list-style-type: none">Chapter 4Chapter 9 (9.1 through 9.3.5 and 9.3.9 through 9.4.5 and 9.4.9)3. OSHA 1910.120(Q)(6)(ii), HazMat Operations Training and/or NFPA 472 HazMat Operations or equivalent basic instruction on responding to and operating in a CBRNE incident
Training	Completion of the following baseline criteria: <ol style="list-style-type: none">4. OSHA 1910.120 and/or 1910.134(f) Respiratory Protection5. Emergency Medical First Responder per NFPA 1670 (2004) 4.1.6 or equivalent6. Per the job performance requirements as stipulated in NFPA 1006 (2003)7. Training in rating of Class 3, per AW Section VI Safety Code or higher whitewater8. Night operations9. Use of related tools, devices, and equipment10. Advance rope skills11. Search management and planning course as recognized by the AHJ12. Low head dam rescue operations13. Multiple victims14. Managing squad-sized teams during emergency operations15. GPS/map and compass16. Completion of a Swiftwater/flood Rescue Management program that includes aviation and boat asset management Completion of the following courses and/or curricula: <ol style="list-style-type: none">17. ICS-100: Introduction to ICS18. ICS-200: Basic ICS

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Category	Criteria
	<ol style="list-style-type: none">19. ICS-300: Intermediate ICS20. ICS-400: Advanced ICS21. FEMA IS-700: NIMS, An Introduction22. FEMA IS-800.B: National Response Framework (NRF), An Introduction23. S 330; All-Risk Strike Team/Task Force Leader Training Course or equivalent24. Recertification of all training requirements listed above25. Search training per ASTM F2209 or equivalent
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none">1. Medical requirements established by the AHJ2. Minimum physical fitness and swimming standards, JRPAT, as required by the AHJ
Certification	Certification by the AHJ of all training requirements listed above

SAR Job Title 21: Swiftwater/ Flood Rescue Strike Team/Task Force Leader

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Swiftwater/Flood Rescue Strike Team/Task Force Leader* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Education	Completion of the following training courses: 1. EMT-B level or higher as defined by the NIMS EMS Credentialing
Training	USGS/I-Flow/National Weather Service (NWS) Flood warning and notification systems
Experience	1. Annual refresher of skills per AHJ requirements obtainable through training or incident operations. 2. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations 3. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): 1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or equivalent 2. When necessary additional inoculations specific to the incident environment may be required. CDC/WHO recommended inoculations as needed
Certification	1. Completion of certification as: <ul style="list-style-type: none"> • EMT-B level or higher as defined by the NIMS EMS Credentialing 2. Recertification of all training requirements listed above 3. Develop uniform national swiftwater/flood strike team/task force leader certification standards

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SAR Job Title 22: Swiftwater/ Flood Rescue Technical Specialist (Advisor)

Description: A *Swiftwater/Flood Rescue Technical Specialist* is a qualified and experienced Swiftwater/Flood Rescue Technician that is used in an advisory capacity to provide knowledge and assistance in the use of swiftwater/flood rescue teams, boats and aviation assets during swiftwater/flood SAR operations.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Swiftwater/Flood Rescue Technical Specialist* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	<p>Fulfillment of applicable requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. Rescue Technician as required by the AHJ. NFPA 1006: Standard for Rescue Technician (2008) or equivalent, as it relates to surface water rescue, meets or exceeds this criteria. NFPA references are: Chapter 4 Chapter 5 Chapter 6 Chapter 11 Chapter 12 2. Training standards as required by the AHJ. NFPA 1670 Standards and Operations and Training for Technical Search and Rescue Incidents (2004) or equivalent, as it relates to surface water rescue, meets or exceeds this criteria. The NFPA references are: Chapter 4 Chapter 9 (9.1 through 9.3.5 and 9.3.9 through 9.4.5 and 9.4.9) 3. OSHA 1910.120(Q)(6)(ii), HazMat Operations Training and/or NFPA 472 HazMat Operations or equivalent basic instruction on responding to and operating in a CBRNE incident
	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 4. OSHA 1910.120 and/or 1910.134(f) Respiratory Protection 5. Emergency Medical First Responder per NFPA 1670 (2004) 4.1.6 or equivalent 6. Per the job performance requirements as stipulated in NFPA 1006 (2003) 7. Training in rating of Class 3, per AW Section VI Safety Code or higher whitewater 8. Night operations 9. Use of related tools, devices, and equipment 10. Advance rope skills 11. Active and passive search techniques 12. Low head dam rescue operations
SAR Working Group Job Title Criteria	<ol style="list-style-type: none"> 13. Multiple victims 14. Managing squad-sized teams during emergency operations 15. Helicopter and Boat Rescue Operations Awareness 16. USGS/I-Flow/National Weather Service (NWS) Flood warning and notification systems 17. GPS/map and compass

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Category	Criteria
	<p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none">20. ICS-100: Introduction to ICS21. ICS-200: Basic ICS22. ICS-300: Intermediate ICS23. FEMA IS-700: NIMS, An Introduction24. FEMA IS-800.B: National Response Framework (NRF), An Introduction25. Recertification of all training requirements listed above26. Search training per ASTM F2209 or equivalent <p>Completion of the following training courses:</p> <ol style="list-style-type: none">27. NIMS Planning Section Chief or equivalent28. S 330; All-Risk Strike Team/Task Force Leader Training Course or equivalent
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none">1. Medical requirements established by the AHJ2. Minimum physical fitness and swimming standards, JRPAT, as required by the AHJ
Certification	Certification by the AHJ of all training requirements listed above.

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SAR Job Title 22: Swiftwater/Flood Rescue Technical Specialist (Advisor)

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Swiftwater/Flood Rescue Technical Specialist* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Education	Completion of the following training courses: <ol style="list-style-type: none">1. EMT- B level or higher as defined in the NIMS EMS Credentialing
Training	Completion of the following courses and/or curricula: <ol style="list-style-type: none">1. Confined Space Operations2. Rope Operations3. Search operations and planning (advanced GPS and map skills)4. Search Operations (map skills)5. Recertification of all training requirements listed above.6. Knowledge of federal, state, or EMAC disaster response procedures7. NIMS Operations Section Chief
Experience	<ol style="list-style-type: none">1. Three years experience in Swiftwater/Flood Rescue operations2. Annual refresher of skills per AHJ requirements obtainable through training or incident operations3. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations4. Criminal Background Check5. Ability to work well with others and develop new working relationships
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or equivalent2. When necessary additional inoculations specific to the incident environment may be required. CDC/WHO recommended inoculations as needed
Certification	<ol style="list-style-type: none">1. Completion of certification as:<ul style="list-style-type: none">• EMT-B per NFPA 1006(2003) A-3-3.5, as a minimum2. Recertification of all training requirements listed above3. Develop a national flood operations management course

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SAR Job Title 23: Swiftwater/Flood Rescue Logistics Specialist

Description: A *Swiftwater/Flood Rescue Logistics Specialist* is responsible for supporting the logistical needs of their team in credential-specific disciplines, such as search and/or rescue, swiftwater/flood and/or stillwater SAR operations.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Swiftwater/Flood Rescue Logistics Specialist* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	<p>Fulfillment of requirement(s) as stated In all the following applicable discipline-specific standard(s):</p> <ol style="list-style-type: none"> 1. Rescue Technician as required by the AHJ. NFPA 1670 Awareness Level Training, Including; <ul style="list-style-type: none"> • General Requirements • Swiftwater/flood SAR Operations • Rope Rescue 2. Awareness level training, including: <ul style="list-style-type: none"> • Land SAR awareness consistent with subjects in ASTM F2209 3. OSHA 1910.120 (Q)(6)(i), HazMat Awareness Training and/or NFPA 472 HazMat Awareness or equivalent basic instruction on responding to and operating in a CBRNE incident 4. SAR Logistics Training specific to the mission, environmental and equipment requirements such as swiftwater/flood, land, alpine, urban, collapsed structure, canine <p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 5. OSHA 1910.120 and/or 1910.134(f) Respiratory Protection 6. Emergency medical care based on AHJ requirements 7. Risk assessment 8. Hazard mitigation 9. PPE 10. Use of related tools, devices, and equipment 11. Maintenance and repair of rescue tools, equipment, and devises 12. GPS map and compass <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 13. ICS-100: Introduction to ICS 14. ICS-200: Basic ICS 15. FEMA IS-700: NIMS, An Introduction 16. Discipline specific team logistics training course
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 1. Medical requirements established by the AHJ 2. Minimum physical fitness standards as required by the AHJ
Certification	<ol style="list-style-type: none"> 1. Certification for possession of controlled medications, if applicable 2. Certification by the AHJ of all training requirements listed above

SAR Job Title 23: Swiftwater/Flood Rescue Logistics Specialist

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Swiftwater/Flood Rescue Logistics Specialist* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	<ol style="list-style-type: none"> 1. OSHA 1910.120 (Q)(6)(ii), HazMat Operations Training and/or NFPA 472 HazMat Operations or equivalent basic instruction on responding to and operating in a CBRNE incident 2. DHS/FEMA Logistics Specialist Course or equivalent. 3. OSHA 1910.120 (G)(6)(ii), HazMat Operations Training and/or NFPA 472 HazMat Operations or equivalent basic instruction on responding to and operating in a CBRNE incident 4. FEMA IS-800.B:National Response Framework (NRF), An Introduction
Experience	<ol style="list-style-type: none"> 1. Position taskbooks that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incidents every 5 years or as dictated by need. 2. Fingerprint Background Check 3. Recommend minimum experience requirements
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. NFPA 1582, Standard on Medical Requirements for Fire Fighters 2. EMT-B per NFPA 1006(2003) A-3-3.5
Certification	Development of a uniform national logistics specialist training course

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SAR Job Title 24: Swiftwater/Flood Rescue Medical Specialist

Description: A *Swiftwater/Flood Rescue Medical Specialist* provides SAR-specific medical capabilities for team members and rescues during SAR related operations in their credential-specific disciplines, such as search and/or rescue, stillwater, swiftwater/flood, and other types of incidents.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for *Swiftwater/Flood Rescue Medical Specialist* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Education	<ol style="list-style-type: none"> 1. EMT-B level or higher as defined by the NIMS EMS Credentialing
Training	<p>Fulfillment of requirement(s) as stated in all the following applicable discipline specific standard(s):</p> <ol style="list-style-type: none"> 1. Rescue Technician as required by the AHJ. NFPA 1670 Awareness Level Training, Including; <ul style="list-style-type: none"> • General Requirements • Swiftwater/flood SAR Operations • Rope Rescue 2. Awareness level training, including: <ul style="list-style-type: none"> • Land SAR awareness consistent with subjects in ASTM F2209 3. OSHA 1910.120 (Q)(6)(i), HazMat Awareness Training and/or NFPA 472 HazMat Awareness or equivalent basic instruction on responding to and operating in a CBRNE incident 4. SAR Medical Training specific to the mission, environmental and equipment requirements such as swiftwater/flood and team health <p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 5. OSHA 1910.120 and/or 1910.134(f), Respiratory Protection 6. Risk assessment 7. Hazard mitigation 8. PPE 9. Use of related tools, devices, and equipment. 10. Medical triage 11. Medical conditions common to SAR incidents such as lacerations, fractures, shock, crush injury and crush syndrome, burns, penetrating and blunt trauma, head injuries, respiratory complications, hyper/hypothermia, and infections. They must also have experience treating common medical emergencies, eye injuries, minor orthopedic injuries, etc. 12. General rescue operations at landslides, hurricanes, and other such incidents, as appropriate for the location <p>Completion of the following courses and/or curricula:</p> <ol style="list-style-type: none"> 13. ICS-100: Introduction to ICS 14. ICS-200: Basic ICS 15. FEMA IS-700: NIMS, An Introduction
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 1. Minimum physical fitness standards as required by the AHJ

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Category	Criteria
Certification	<ol style="list-style-type: none">1. EMT-P level or higher as defined by the NIMS EMS Credentialing Stillwater Medical Specialist2. EMT-P as defined by the NIMS EMS Credentialing for Swiftwater/Flood Medical Specialist

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SAR Job Title 24: Swiftwater/Flood Rescue Medical Specialist

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Swiftwater/Flood Rescue Medical Specialist* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	<ol style="list-style-type: none">1. OSHA 1910.120 (Q)(6)(ii), HazMat Operations Training and/or NFPA 472 HazMat Operations or equivalent basic instruction on responding to and operating in a CBRNE incident2. Certified in Basic Trauma Life Support (BTLS), Advanced Cardiac Life Support (ACLS), and Pediatric Advanced Life Support (PALS) regimens, or equivalent3. FEMA/US&R Medical Team Training course or equivalent4. FEMA/US&R WMD Considerations for Medical Specialists, or equivalent5. GPS Awareness Level course6. Continuing education requirements for training7. Recommend recertification and verification of all training listed above8. Recommend development of continuing education requirements for training9. Maintain currency every 3 years
Experience	<ol style="list-style-type: none">1. Actively practicing pre-hospital care on a regular basis2. Annual refresher of skills per AHJ requirements obtainable through training or incident operations3. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none">1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or equivalent
Certification	

SAR Job Title 25: Helicopter Search and Rescue Technician

Description: A *Helicopter Search and Rescue Technician* is an entry level position within a helicopter rescue unit (single resource) that performs search and/or rescue functions inside and outside the aircraft and typically may include rappelling, short haul, hoist operations, and water insertions on any of the following credential-specific disciplines (urban, land, mountain/technical, disaster, stillwater, swiftwater, etc.)

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for *Helicopter Search and Rescue Technician* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
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Training

Fulfillment of requirement(s) as stated in the following standard(s):

1. Rescue Technician as required by the AHJ. NFPA 1006: Standard for Rescue Technician (2008) or equivalent, as related to Helicopter Rescue Operations, meets or exceeds this criteria. NFPA references are:
Chapter 4
Chapter 5
Chapter 6
Chapter 11
Chapter 12
2. Training standards as required by the AHJ related to Helicopter Rescue Operations. NFPA 1670 Standards and Operations and Training for Technical Search and Rescue Incidents (2004), or equivalent, meets or exceeds this criteria. The NFPA references are:
Chapter 4
Chapter 9 (9.1 through 9.3.5 and 9.3.9 through 9.4.5 and 9.4.9)
3. OSHA 1910.120(Q) (6) (i), HazMat Awareness Training and/or NFPA 472 HazMat Awareness or equivalent basic instruction on responding to and operating in a CBRNE incident. For water operations, OSHA 1910.120(Q)(6)(ii), HazMat Operations Training and/or NFPA 472 HazMat Operations or equivalent basic instruction on responding to and operating in a CBRNE incident
4. DOI AM S-271 or equivalent (including SAR Specific risk assessment, hazard mitigation, PPE)
5. U.S. Department of the Interior (DOI) Interagency Helicopter Operating Procedures (IHOG) external Loads curricula or equivalent

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Category	Criteria
	12. General Helispot or Landing Zone Management 13. Operational Training, including: <ul style="list-style-type: none"> • Ability to perform general, and internal and external load rescue rigging and operations • Knowledge and training in preventive and Emergency Corrective Actions (ECAs) for all reasonably expected emergencies including external load rigging emergencies provided by their program (short haul, helicopter rappel, cable hoist, etc.)
	14. Functional Training in all general aviation and special-use techniques to be performed in operations (human external loads such as short haul, hoist, rappel; still and moving water insertions; reconnaissance/surveillance; confined area techniques; night flight; hover ingress-egress; toe-in ingress-egress; single skid landings) 15. Environmental/Operational Training as required by the AHJ or operation (land, mountain/technical, stillwater, swiftwater, ocean, urban, disaster, altitudes of approximately 10,000 feet (3,000 meters) ASL and above)
	Completion of the following courses and/or curricula: <ol style="list-style-type: none"> 16. ICS-100: Introduction to ICS 17. ICS-200: Basic ICS 18. FEMA IS-700: NIMS, An Introduction 19. FEMA IS-800.B: National Response Framework (NRF), An Introduction
Experience	<ol style="list-style-type: none"> 1. SAR Technician for each SAR discipline expected to perform (stillwater, swift/flood water, mountain, wilderness, etc.) 2. Participation in a currency program per AHJ
Physical/ Medical Fitness	Completion of the following baseline criteria: <ol style="list-style-type: none"> 1. Medical requirements established by the AHJ 2. Minimum physical fitness and swimming standards, JRPAT, as required by the AHJ
Certification	Certification by the AHJ in all training requirements listed above

SAR Job Title 25: Helicopter Search and Rescue Technician

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Helicopter Search and Rescue Technician* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	<ol style="list-style-type: none"> 1. Annual refresher of skills per AHJ requirements obtainable through training or incident operations. 2. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s) <ol style="list-style-type: none"> 1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or equivalent. 2. When necessary additional inoculations specific to the incident environment may be required. CDC/WHO recommended inoculations as needed
Certifications	Uniform and national Search and Rescue Technician certification standard needed (Initial and re-certification)
Licensing	Uniform and national Search and Rescue Technician certification standard needed (Initial and re-certification)

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SAR Job Title 26: Helicopter Search and Rescue Crew Chief

Description: A *Helicopter Search and Rescue Crew Chief* is a mid-level position within a helicopter rescue unit (single resource) that coordinates search and/or rescue functions from inside the aircraft, assists the pilot with risk assessment, and coordinates and communicates with helicopter rescue and ground personnel on any of the following credential-specific disciplines: urban, land, mountain/technical, disaster, stillwater, swiftwater, etc.

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for a *Helicopter Search and Rescue Crew Chief* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	<p>Fulfillment of requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. Rescue Technician as required by the AHJ. NFPA 1006: Standards for Rescue Technical (2008) or equivalent, as it relates to helicopter rescue operations, meets or exceeds this criteria. NFPA references are: Chapter 4 Chapter 5 Chapter 6 Chapter 11 Chapter 12 2. Training standards as required by the AHJ. NFPA 1670: Standards and Operations and Training for Technical Search and Rescue Incidents (2004) or equivalent, as it relates to helicopter rescue operations meets or exceeds this criteria. The NFPA references are: Chapter 4 Chapter 9 (9.1 through 9.3.5 and 9.3.9 through 9.4.5 and 9.4.9) 3. OSHA 1910.120(Q)(6)(i), HazMat Awareness Training and/or NFPA 472 HazMat Awareness or equivalent basic instruction on responding to and operating in a CBRNE incident <p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 4. OSHA 1910.120 and/or 1910.134(f) Respiratory Protection 5. SAR Specific Risk assessment 6. SAR Specific Hazard mitigation, including multi-aircraft operations 7. SAR Specific personal protective equipment (PPE) 8. Use of related tools, devices, and equipment 9. Aviation crew resource management/aeronautical data maintenance (CRM/ADM), Emergency Procedures, Aircraft Familiarization, Survival) 10. Crew Chief Operational Training, including: <ul style="list-style-type: none"> • Ability to assist pilot with navigation, and general and external load communications and emergency communications • Ability to perform general, and internal and external load rescue rigging and operations • Knowledge and training in preventive and Emergency Corrective Actions (ECAs) for all reasonably expected emergencies including external load rigging emergencies provided by their program (short

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Category	Criteria
	<p>rappel; still and moving water insertions; recon/surveillance; confined area techniques; night flight; hover ingress-egress; toe in ingress-egress; single skid landings)</p> <p>12. Crew Chief Environmental/Operational Training as required by the AHJ or operation (land, alpine, stillwater, swiftwater, ocean, urban, disaster, altitudes of approximately 10,000 feet (3,000 meters) above sea level (ASL) and above)</p> <p>Completion of the following courses and/or curricula:</p> <p>13. ICS-100: Introduction to ICS</p> <p>14. ICS-200: Basic ICS</p> <p>15. FEMA IS-700: NIMS, An Introduction</p> <p>16. FEMA IS-800.F: National Response Framework (NRF), An Introduction</p>
Experience	<p>1. Current Helicopter Search and/or Rescue Technician</p> <p>2. Current Search and/or Rescue Technician for each SAR discipline to perform in</p> <p>3. Participate in a currency program per AHJ</p>
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <p>1. Medical requirements established by the AHJ</p> <p>2. Minimum physical fitness and swimming standards, JRPAT, as required by the AHJ</p>
Certification	Certification by the AHJ in all training requirements listed above

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SAR Job Title 26: Helicopter Search and Rescue Crew Chief

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Helicopter Search and Rescue Crew Chief* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	<ol style="list-style-type: none"> 1. SAR Operational level for all other hazards and environments reasonably expected to operate in or through (such as hurricane, ocean, etc.) 2. SAR Technician level for all other hazards and environments reasonably expected to perform SAR techniques in (swift/flood water rescue technician, mountain SAR technician, etc.) 3. Recertification of all training listed above
Experience	<ol style="list-style-type: none"> 1. Annual refresher of skills per AHJ requirements obtainable through training or incident operations 2. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations 3. SAR Technician level for all other hazards and environments reasonably expected to perform SAR techniques in (swift/flood water rescue technician, mountain SAR technician, etc.) 4. Able to: <ul style="list-style-type: none"> • Assist pilot with navigation, internal and external load and emergency communications • Perform rescue and internal and external load rigging and operation • Preventive care and emergency corrective actions for all expected emergencies 5. Criminal Background Check
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or disaster specific equivalent 2. When necessary additional inoculations specific to the incident environment may be required. CDC/WHO recommended inoculations as needed
Certification	Uniform and national search and rescue pilot certification standard needed (Initial and re-certification)
Licensing	Uniform and national search and rescue pilot certification standard needed (Initial and re-certification)

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SAR Job Title 27: Helicopter Search and Rescue Pilot

Description: A *Helicopter Search and Rescue Pilot* is an advanced-level position within a helicopter rescue unit (single resource) with ultimate responsibility for aircraft operations on the following credential-specific disciplines (urban, land, mountain/technical, disaster, stillwater, swiftwater, etc.)

REQUISITE CRITERIA

The table below lists minimum requisite criteria, based on existing protocols and standards, for *SAR Helicopter Search and Rescue Pilot* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System.

Category	Criteria
Training	<p>Fulfillment of requirement(s) as stated in the following standard(s):</p> <ol style="list-style-type: none"> 1. FAA Helicopter Pilot <p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 2. Criteria at or equivalent to the Department of Interior (DOI) Aviation Management Pilot Proficiencies, as required by the AHJ including: <ul style="list-style-type: none"> • SAR Specific Risk assessment • SAR Specific Hazard mitigation, including multi-aircraft operations • SAR Specific PPE • Use of related tools, devices, and equipment • Aviation (Crew Resource Management [CRM]/Aeronautical Decision-making [ADM], Emergency Procedures, Aircraft Familiarization, Survival to include aircraft water immersion) • Pilot Operational Training (vertical reference, etc.) • Pilot Functional Training in all general aviation and special-use techniques to be performed in operations (human external loads such as short haul, hoist, rappel; still and moving water insertions; recon/surveillance; confined area techniques; night flight; hover ingress-egress; toe-in ingress-egress; single skid landings); • Pilot Environmental/Operational Training as required by the AHJ or operation (land, alpine, still water, swiftwater, ocean, urban, disaster, altitudes of approximately 10,000 feet (3,000 meters) ASL and above). <p>Fulfillment of requirement(s) as stated in the following:</p> <ol style="list-style-type: none"> 3. Awareness level for all other hazards and environments reasonably expected to operate in (such as hurricane, swiftwater, mountain, ocean, etc.). 4. Completion of the following courses and/or curricula: 5. ICS-100: Introduction to ICS 6. ICS-200: Basic ICS 7. FEMA IS-700: NIMS, An Introduction 8. FEMA IS-800.B: National Response Framework (NRF), An Introduction
Experience	<ol style="list-style-type: none"> 1. Minimum time in type of helicopter to be flown per AHJ requirements 2. Participate in a currency program per AHJ
Physical/ Medical Fitness	<p>Completion of the following baseline criteria:</p> <ol style="list-style-type: none"> 1. Medical requirements established by the AHJ 2. Minimum physical fitness standards as required by the AHJ 3. FAA requirements

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Category	Criteria
Certification	1. Federal Aviation Administration (FAA) Certification 2. Certification by the AHJ of all training requirements listed above
Licensing	FAA License

SAR Job Title 27: Helicopter Search and Rescue Pilot

RECOMMENDED CRITERIA

The recommended criteria that follow are intended to supplement previously-listed requisite criteria for the Incident Management Systems Division's consideration and referral to organizations, as appropriate.

The table below lists the SAR Working Group's recommended criteria for a *Helicopter Search and Rescue Pilot* to participate in the Incident Management Systems Division's National Emergency Responder Credentialing System. These criteria incorporate and/or modify existing protocols and standards and/or propose their development where they do not exist.

Category	Criteria
Training	<ol style="list-style-type: none"> 1. Annual refresher of skills per AHJ requirements obtainable through training or incident operations 2. Position taskbooks or equivalent documentation that validate and verify (by AHJ) demonstrated ability to perform required skills in exercises and/or actual incident operations
Physical/ Medical Fitness	Fulfillment of requirement(s) as stated in the following standard(s): <ol style="list-style-type: none"> 1. NFPA 1582, Standard on Medical Requirements for Fire Fighters, or equivalent. 2. When necessary additional inoculations specific to the incident environment may be required. CDC/WHO recommended inoculations as needed
Certifications	Uniform and national search and rescue pilot certification standard needed (Initial and re-certification)
Licensing	Uniform and national search and rescue pilot certification standard needed (Initial and re-certification)