



**ARAB FIRE SAFETY AND SECURITY ACADEMY (AFSSAC)
VEHICLE AND MACHINERY RESCUE
PERFORMANCE STANDARDS
NFPA 1006, 2013 Edition**

SKILL SHEET PACKAGE

Based on NFPA 1006: Standard for
Vehicle and Machinery Rescue Professional Qualifications, 2013 Edition

November 2016



ARAB FIRE SAFETY AND SECURITY ACADEMY (AFSSAC)
VEHICLE AND MACHINERY RESCUE
PERFORMANCE STANDARDS
NFPA 1006, 2013 Edition

Performance Test # 1
Direct Simple Rope Mechanical Advantage System

PERFORMANCE STANDARD

1. The candidate shall be able to determine incident needs as related to choosing anchor systems, select effective knots, determine expected loads, evaluate incident operations as related to interference concerns and set-up, choose anchor points, perform a system safety check, and evaluate system components for compromised integrity.
2. The trainee will not be allowed to review the performance steps at the time of testing
3. Prevent or prohibit any unsafe acts.
4. Remember you are evaluator, not an instructor.

[NFPA 1006, Standard for Rescue Technician Qualification, 2013 edition]

[Moby's Confined Space and Structural Rope Rescue.]

INSTRUCTIONS

1. Direct a team in the operation of a simple rope mechanical advantage system in a high-angle raising operation, so that the movement is controlled, a reset is accomplished, the load can be held in place when needed, operating methods do not stress the system to the point of failure, commands are used to direct the operation, and potential problems are identified, communicated, and managed.
2. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
3. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

Direct a team in the operation of a simple rope mechanical advantage system in a high-angle raising operation, so that the movement is controlled, a reset is accomplished, the load can be held in place when needed, operating methods do not stress the system to the point of failure, commands are used to direct the operation, and potential problems are identified, communicated, and managed.

PREPARATION & EQUIPMENT

1. Appropriate personnel protective equipment
2. auxiliary rope rescue equipment
3. SOP/SOG's
4. Scene barrier tape



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 6.1.1				
Performance Test # 1	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Given rescue personnel, an established rope rescue system incorporating a simple rope mechanical advantage system, a specified minimum travel distance for the load, a load to be moved, and an anchor system, the candidate shall demonstrate the ability to:				
1. Select appropriate equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Lay out rope or webbing correctly for anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Join ends of rope or webbing with correct knot or bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Place all carabiners gate up and locked	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Focus anchor in proper direction (direction given by evaluator)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Prepare anchor for use by taking all slack and excessive twists from rope or webbing, re-checking all hardware and knots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Construct a basic mechanical advantage system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Direct personnel using operational commands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Perform safety check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Identify safety concerns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Performance Test # 2
Direct High Angle Lowering Operation

PERFORMANCE STANDARD

1. The candidate shall be able to determine incident needs as related to choosing anchor systems, select effective knots, determine expected loads, evaluate incident operations as related to interference concerns and set-up, choose anchor points, choose a lowering device, perform a system safety check, and evaluate system components for compromised integrity
2. The trainee will not be allowed to review the performance steps at the time of testing
3. Prevent or prohibit any unsafe acts.
4. Remember you are evaluator, not an instructor.

[NFPA 1006, Standard for Rescue Technician Qualification, 2013 edition]

[Moby's Confined Space and Structural Rope Rescue.]

INSTRUCTIONS

1. Direct a lowering operation in a high-angle environment, so that the movement is controlled, the load can be held in place when needed, operating methods do not stress the system to the point of failure, rope commands are used to direct the operation, and potential problems are identified, communicated, and managed.
2. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
3. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

Direct a lowering operation in a high-angle environment, so that the movement is controlled, the load can be held in place when needed, operating methods do not stress the system to the point of failure, rope commands are used to direct the operation, and potential problems are identified, communicated, and managed.

PREPARATION & EQUIPMENT

5. Appropriate personnel protective equipment
6. auxiliary rope rescue equipment
7. SOP/SOG's
8. Scene barrier tape



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 6.1.2				
Performance Test # 2	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Given rescue personnel, an established lowering system, a specified minimum travel distance for the load, and a load to be moved, the candidate shall demonstrate the ability to:				
1. Select appropriate equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Lay out rope or webbing correctly for anchor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Join ends of rope or webbing with correct knot or bend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Place all carabiners gate up and locked	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Focus anchor in proper direction (direction given by evaluator)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Prepare anchor for use by taking all slack and excessive twists from rope or webbing, re-checking all hardware and knots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Construct a basic mechanical advantage system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Direct personnel using operational commands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Manage movement of the load in a high angle environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Perform safety check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Identify safety concerns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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Performance Test # 3

PLANNING FOR A VEHICLE/MACHINERY INCIDENT

PERFORMANCE STANDARD

The candidate shall plan for a vehicle/machinery incident, given agency guidelines, planning forms, a vehicle/machinery incident or simulation, so that a standard approach is used during training and operational scenarios, emergency situation hazards are identified, isolation methods and scene security measures are considered, fire suppression and safety measures are identified, vehicle/machinery stabilization needs are evaluated, and resource needs are identified and documented for future use.

[NFPA 10.1.1]

INSTRUCTIONS

1. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
2. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

1. The trainee will not be allowed to review the performance steps at the time of testing
2. Prevent or prohibit any unsafe acts.
3. Remember you are evaluator, not an instructor.

PREPARATION & EQUIPMENT

1. Hand Tools
2. Chemical Tools

Reference Source

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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 10.1.1	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 3				
Plan for a vehicle/machinery incident, given agency guidelines, planning forms, a vehicle/machinery incident or simulation, so that a standard approach is used during training and operational scenarios, emergency situation hazards are identified, isolation methods and scene security measures are considered, fire suppression and safety measures are identified, vehicle/machinery stabilization needs are evaluated, and resource needs are identified and documented for future use.				
(1) Applies operational protocols				
(2) Selects specific planning forms based on the types of vehicle/machinery				
(3) Identifies and evaluate various types of vehicle/machinery within the AHJ boundaries				
(4) Requests support and resources				
(5) Identifies vehicle/machinery anatomy				
(6) Determines the required fire suppression and safety measures				



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Performance Test # 4

ESTABLISHING SCENE SAFETY ZONES

PERFORMANCE STANDARD

The candidate shall establish “scene” safety zones, given scene security barriers, incident location, incident information, and personal protective equipment, so that action hot, war, and cold safety zones are designated, zone perimeters are consistent with incident requirements, perimeter markings can be recognized and understood by others, zone boundaries are communicated to incident command, and only authorized personnel are allowed access to the rescue scene. [NFPA 10.1.2]

INSTRUCTIONS

1. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
2. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

1. The trainee will not be allowed to review the performance steps at the time of testing
2. Prevent or prohibit any unsafe acts.
3. Remember you are evaluator, not an instructor.

PREPARATION & EQUIPMENT

1. Hand Tools
2. Pneumatic Tools
3. Electric/Battery Tools
4. Heavy Hydraulics
5. Chemical Tools

Reference Source

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Performance Test # 5

ESTABLISHING FIRE PROTECTION

PERFORMANCE STANDARD

The candidate shall establish fire protection, given an extrication incident and fire control support, so that fire and explosion potential is managed and fire hazards and rescue objectives are communicated to the fire support team. [NFPA 10.1.3]

INSTRUCTIONS

1. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
2. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

1. The trainee will not be allowed to review the performance steps at the time of testing
2. Prevent or prohibit any unsafe acts.
3. Remember you are evaluator, not an instructor.

PREPARATION & EQUIPMENT

1. Hand Tools
2. Pneumatic Tools
3. Electric/Battery Tools
4. Heavy Hydraulics
5. Chemical Tools

Reference Source

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Performance Test # 6

STABILIZING A VEHICLE OR MACHINE

PERFORMANCE STANDARD

The candidate shall stabilize a vehicle or machine, given a basic extrication tool kit and personal protective equipment, so that the vehicle or machinery is prevented from moving during the rescue operations; entry, exit and tool placement points are not compromised; anticipated rescue activities will not compromise vehicle or machinery stability; selected stabilization points are structurally sound; stabilization equipment can be monitored; and the risk to rescuers is minimized. [NFPA 10.1.4]

INSTRUCTIONS

1. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
2. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

1. The trainee will not be allowed to review the performance steps at the time of testing
2. Prevent or prohibit any unsafe acts.
3. Remember you are evaluator, not an instructor.

PREPARATION & EQUIPMENT

1. Hand Tools
2. Pneumatic Tools
3. Electric/Battery Tools
4. Heavy Hydraulics
5. Chemical Tools

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Performance Test # 7

ISOLATING HARMFUL ENERGY SOURCES

PERFORMANCE STANDARD

The candidate shall isolate potentially harmful energy sources, given basic extrication tool kit and personal protective equipment, so that all hazards are identified, systems are managed, beneficial system use is evaluated, and hazards to rescue personnel and victim are minimized. [NFPA 10.1.5]

INSTRUCTIONS

1. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
2. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

1. The trainee will not be allowed to review the performance steps at the time of testing
2. Prevent or prohibit any unsafe acts.
3. Remember you are evaluator, not an instructor.

PREPARATION & EQUIPMENT

1. Hand Tools
2. Pneumatic Tools
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5. Chemical Tools

Reference Source

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Performance Test # 8

DETERMINING VEHICLE ACCESS AND EGRESS POINTS

PERFORMANCE STANDARD

The candidate shall determine the vehicle access and egress points, given the structural and damage characteristics and potential victim location(s), so that victim location(s) is identified; entry and exit points for victims, rescuers, and equipment are designated; flow of personnel, victim, and equipment is identified; existing entry points are used; time constraints are factored; selected entry/egress points do not compromise vehicle stability; chosen points can be protected; equipment and victim stabilization is initiated; and AHJ safety and emergency procedures are enforced. [NFPA 10.1.6]

INSTRUCTIONS

1. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
2. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

1. The trainee will not be allowed to review the performance steps at the time of testing
2. Prevent or prohibit any unsafe acts.
3. Remember you are evaluator, not an instructor.

PREPARATION & EQUIPMENT

1. Hand Tools
2. Pneumatic Tools
3. Electric/Battery Tools
4. Heavy Hydraulics
5. Chemical Tools

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Performance Test # 9

CREATING ACCESS AND EGRESS OPENING FOR RESCUE

PERFORMANCE STANDARD

The candidate shall create access and egress openings for rescue, given basic extrication tool kit, specialized tools and equipment, personal protective equipment, and an assignment, so that the movement of rescuers and equipment complements victim care and removal, an emergency escape route is provided, the technique chosen is expedient, victim and rescuer protection is afforded, and vehicle stability is maintained. [NFPA 10.1.7]

INSTRUCTIONS

1. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
2. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

1. The trainee will not be allowed to review the performance steps at the time of testing
2. Prevent or prohibit any unsafe acts.
3. Remember you are evaluator, not an instructor.

PREPARATION & EQUIPMENT

1. Hand Tools
2. Pneumatic Tools
3. Electric/Battery Tools
4. Heavy Hydraulics
5. Chemical Tools

Reference Source

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Performance Test # 10

DISENTANGLING VICTIMS

PERFORMANCE STANDARD

The candidate shall disentangle victim(s), given an extrication incident, a basic extrication tool kit, personal protective equipment, and specialized equipment, so that undue victim injury is prevented, victim protection is provided, and stabilization is maintained. [NFPA 10.1.8]

INSTRUCTIONS

1. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
2. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

1. The trainee will not be allowed to review the performance steps at the time of testing
2. Prevent or prohibit any unsafe acts.
3. Remember you are evaluator, not an instructor.

PREPARATION & EQUIPMENT

1. Hand Tools
2. Pneumatic Tools
3. Electric/Battery Tools
4. Heavy Hydraulics
5. Chemical Tools

Reference Source

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Performance Test # 11

REMOVING A PACKAGED VICTIM

PERFORMANCE STANDARD

The candidate shall as a member of a team, remove a packaged victim to a designated safe area given a victim transfer device, designated egress route, and personal protective equipment, so that the team effort is coordinated, the designated egress route is used, the victim is removed without compromising victim packaging, undue injury is prevented, and stabilization is maintained. [NFPA 10.1.9]

INSTRUCTIONS

1. The skill will end when you state or indicate to the evaluator that you have completed all the identified steps.
2. Contact the evaluator at any time for clarification of these instructions.

EXAMINER NOTE

1. The trainee will not be allowed to review the performance steps at the time of testing
2. Prevent or prohibit any unsafe acts.
3. Remember you are evaluator, not an instructor.

PREPARATION & EQUIPMENT

1. Hand Tools
2. Pneumatic Tools
3. Electric/Battery Tools
4. Heavy Hydraulics
5. Chemical Tools

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Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 10.1.9	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 11				
As a member of a team, remove a packaged victim to a designated safe area given a victim transfer device, designated egress route, and personal protective equipment, so that the team effort is coordinated, the designated egress route is used, the victim is removed without compromising victim packaging, undue injury is prevented, and stabilization is maintained.				
(1) Uses of immobilization, packaging, and transfer devices for specific situations				
(2) Immobilization techniques				
(3) Application of medical protocols and safety features to immobilize				
(4) Removes without compromising victim packaging				
(5) Transfer				
(6) All lifting techniques of the patient				



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Performance Test # 12

Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

NFPA 10.1.10	<u>TEST</u>		<u>RETEST</u>	
Performance Test # 12	PASS	FAIL	PASS	FAIL
Terminate a Level I vehicle/machinery incident, given personal protective equipment specific to the incident, isolation barrier, and an extrication tool kit, so that rescuers and bystanders are protected during termination operations; the party responsible for the operation, maintenance, or removal of the affected vehicle/machinery is notified or any modification or damage created during the extrication process.				
1. scene control is transferred to a responsible party				
2. potential or existing hazards are communicated to the responsible party				
3. command is terminated				

Examiner: _____