

CARDIAC ARREST MANAGEMENT/AED

TIME ALLOWED FOR SKILL PERFORMANCE - 5 MINUTES

PERFORMANCE OBJECTIVE

Given the proper equipment and being informed by the Examiner that two-rescuer CPR is in progress, the candidate shall, within the allotted station time, demonstrate proper cardiac arrest management with an AED or AED trainer, using the criteria herein prescribed.

TESTING CONDITIONS

1. Examiner shall insure that the session is conducted as a testing station and **NOT** as a teaching session.
2. The station shall test only the skill of cardiac arrest management with an AED and shall **NOT** be conducted as a part of any other skill.
3. Candidates shall be tested in private and one candidate at a time.
4. Examiner shall require candidate to take or verbalize body substance isolation precautions before station time begins.

STATION EQUIPMENT:

1. All equipment, components and supplies necessary to conduct this station using the specific type of AED or AED training equipment that is being utilized.
2. A watch or clock with readings in seconds

INSTRUCTIONS TO THE EXAMINER

1. The Course Coordinator, lead Instructor and Examiner are responsible for insuring the presence of all necessary equipment; and also for insuring that all equipment is in working order prior to beginning the test session.
2. Examiner will **NOT** remove or hide equipment required to complete the skill.
3. Before the test session begins, the candidate shall be allowed to familiarize with the equipment. During this time Examiner shall answer any questions the candidate has about the equipment.
4. Scenarios must **NOT** be used except as indicated by the criteria. The Examiner will inform the candidate that two-rescuer CPR is in progress.
5. Examiner shall prompt candidate **ONLY** as indicated by the criteria.
6. Examiner will provide information regarding the patient=s history **ONLY** as indicated in the criteria.
7. Once a test session has begun, it must be completed within the allotted time with **NO** restarts allowed.
8. Station time shall **NOT** be restarted or extended for any reason.
9. Station time shall begin immediately after Examiner finishes examination instructions and informs candidate to begin.
10. Examiner shall record starting and ending times in the appropriate section of the score sheet.
11. If station time limit is exceeded, Examiner shall end the test, record skill as failure.

12. Sequence errors shall **NOT** be penalized unless specified by the grading criteria.
13. Documentation by narrative is required on all steps awarded a "0" and on all skills failures.
14. Candidate shall **NOT** fail because of Examiner error.

CARDIAC ARREST MANAGEMENT/AED GRADING CRITERIA [STATION TIME 5 MINUTES]

Examiner will prepare equipment as appropriate for the specific type of AED or AED training equipment that is being utilized. If an arrhythmia generator is used, Examiner will set it to generate ventricular fibrillation.

Examiner will state: ATwo-rescuer CPR is in progress.@

***1. Directs rescuers to stop CPR**

- 2 = Performs above criteria
- 0 = Does not perform above criteria

***2. Checks pulse**

- 2 = Checks carotid pulse
- 1 = Checks femoral pulse
- 0 = Checks pulse other than carotid or femoral

NOTE: After candidate checks pulse **Examiner shall state:** ANo pulse.@

***3. Directs rescuers to continue CPR**

- 2 = Performs above criteria
- 0 = Does not perform above criteria

4. Turns on power to AED

- 2 = Performs step
- 0 = Omits step

***5. Attaches pads to cables**

- 2 = Performs step
- 0 = Omits step

***6. Properly places pads on patient**

- a. Places one pad just to the right of the upper sternum below the right clavicle and places the other pad just below and to the left of the left nipple; or
- b. Places one pad on the sternum and the other pad on the patient=s back directly posterior to the first pad.

- 2 = Performs above criteria
- 0 = Places pads other than as in Aa@ or Ab@

***7. Directs rescuers to stop CPR and to ACLEAR@**

- 2 = Performs above criteria
- 0 = Does not perform above criteria

8. Initiates analysis of rhythm

- 2 = Performs step
- 0 = Omits step

***9. Confirms that personnel are clear**

- a. Instructs personnel to ACLEAR@
- b. Confirms that no one is in contact with the patient, bed, or conductive equipment attached to the patient

NOTE: Examiner shall state: AYour personnel are clear.@

- 2 = Performs above criteria
- 0 = Does not perform above criteria

*10. **Delivers shock** - Follows verbal prompts of AED

- 2 = Performs above criteria
- 0 = Does not perform above criteria

*11. **Repeats steps 9, 10 & 11 until three (3) successive shocks have been delivered** - Follows verbal prompts of AED

- 2 = Performs above criteria
- 0 = Does not perform above criteria

NOTE: Candidate shall **NOT** be penalized if pulse is checked between shocks.

*12. **Checks pulse**

- 2 = Checks carotid pulse
- 1 = Checks femoral pulse
- 0 = Checks pulse other than carotid or femoral

NOTE: After candidate checks pulse, **Examiner shall state:** ANo pulse.@

*13. **Directs rescuers to continue CPR**

- 2 = Performs above criteria
- 0 = Does not perform above criteria

NOTE: Examiner will terminate the examination at this point. Candidate shall **NOT** be required to repeat the cycle.

CARDIAC ARREST MANAGEMENT/AED

CANDIDATE=S NAME:		DATE:
__ EMT	__ EMTI	__ EMTP
SCHOOL #:		
__ INITIAL	__ RENEWAL	__ EQUIVALENCY
__ RETEST		
STATION TIME 5 MINUTES	START TIME:	END TIME:

- 0 2 *1. Directs rescuers to stop CPR
- 0 1 2 *2. Checks pulse
- 0 2 *3. Directs rescuers to continue CPR
- 0 2 4. Turns on power to AED
- 0 2 *5. Attaches pads to cables
- 0 2 *6. Properly places pads on patient
- 0 2 *7. Directs rescuers to stop CPR and to ACLEAR@
- 0 2 8. Initiates analysis of rhythm
- 0 2 *9. Confirms that personnel are clear
- 0 2 *10. Delivers shock
- 0 2 *11. Repeats steps 9, 10 & 11 until three (3) successive shocks have been delivered
- 0 1 2 *12. Checks pulse
- 0 2 *13. Directs rescuers to continue CPR

_____ Candidate=s Total Points (Minimum passing total: 18 points)	
Absolutes satisfied: _____ Yes _____ No (Must have at least one point for each step marked with an *)	_____ Pass _____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

BANDAGING AND SPLINTING

TIME ALLOWED FOR SKILLS PERFORMANCE - 10 MINUTES PER COMPONENT

PERFORMANCE OBJECTIVES for each Bandaging and Splinting component are as follows:

1. **BANDAGING** - Given a human Apatient@ and a description of the "patient's" injuries, the candidate shall, within the allotted station time, apply a dressing and bandage according to the principles of hemorrhage control and aseptic technique.
2. **SPLINTING** - Given a human Apatient@ and a description of the "patient's" injuries, the candidate shall, within the allotted station time, apply splinting techniques according to the principles of fracture immobilization.

TESTING CONDITIONS

1. Examiner shall insure that station is conducted as a testing station and **NOT** as a teaching session.
2. The station shall test only the skill of Bandaging and Splinting and shall **NOT** be conducted as a part of any other skill or scenario.
3. Candidates shall be tested in private and no more than two candidates at a time. If two candidates are to be tested, starting times for each shall be staggered.
4. Bandaging and Splinting may be tested at the same station.
5. A non-candidate or a previously tested candidate **MUST** be used as the "patient." The Examiner shall **NOT** be used as the "patient."
6. The patient shall **NOT** "cue" the candidate being examined but may assist to the extent that an actual patient would be able. The patient shall be cooperative.
7. The determination of whether to remove the patient's shoe and sock before beginning exam in situations involving the foot shall be based on policies established by the training program's medical director, consulting physician, or Course Coordinator.
8. Examiner shall require candidate to take or verbalize body substance isolation precautions before station time begins.

STATION EQUIPMENT

1. A human Apatient@
2. Clean 4x4 dressings
3. Self-adhering roller bandages
4. A pillow or blanket
5. Board splints, 2 each - 15", 36", and 54" (wire ladder or cardboard splints are optional)
6. Cravats
7. Tape
8. Paper cups (optional)
9. Watch or clock with reading in seconds

INSTRUCTIONS TO THE EXAMINER

1. The Course Coordinator, lead Instructor and Examiner are responsible for insuring the presence of all necessary equipment and also for insuring that all equipment is in working order prior to beginning the test session.
2. Examiner will **NOT** remove or hide equipment required to complete the skill.
3. Before the test session begins, the candidate shall be allowed to familiarize with the equipment. During this time the Examiner shall answer any questions the candidate has about the equipment.
4. Scenarios must **NOT** be used except as indicated by the criteria.
5. Examiner shall prompt candidates **ONLY** as indicated by criteria.
6. The primary objectives in performing this skill are control of hemorrhage, use of aseptic wound management techniques, and adequate immobilization of fractures and dislocations. Although there are many suggested methods of bandaging and splinting, only effectiveness in meeting the performance objectives without aggravating the injury shall be graded.
7. While the candidate shall be tested on bandaging and splinting at the same station, determining which skill should be performed first shall **NOT** be tested.
8. Combinations of injuries used for testing bandaging and splinting will come **ONLY** from the attached list.
9. Injuries **MUST** be assigned randomly. This shall be done by having candidates draw a number corresponding to the number of one of the injuries from the injury list. Splinting injury shall be drawn first. If injury designated AS/B" is drawn it shall serve as both bandaging & splinting. **Both grading sheets shall be completed.**
10. A candidate drawing an injury that serves as both bandaging and splinting shall be allowed 20 minutes to complete the skill.
11. "Patients" will be positioned by Examiner - i.e., Examiner shall **NOT** say, "You have a Colles' fracture," and expect the Apatient@ to assume the correct position.
12. Injury sites shall be marked with tape or by some other means to avoid confusion over locations of injuries. Use of moulage is acceptable.
13. Use of tape to secure bandages and splints is acceptable.
14. On request, Examiner will restate the location and nature of an injury for the candidate.
15. When candidate checks, Examiner will state that Acirculation, motor and sensory function are present and normal.@
16. Station time shall begin immediately after Examiner finishes examination instructions and informs candidate to begin.
17. Examiner shall record starting and ending times in the appropriate section of the score sheet.
19. Once a test session has begun, it must be completed within the allotted time with **NO** restarts allowed.
19. Station time shall **NOT** be restarted or extended for any reason.
20. If station time limit is exceeded, Examiner shall end the test, record skill as failure.

20. Sequence errors shall **NOT** be penalized unless specified by the grading criteria.
21. Documentation by narrative is required on all steps awarded a "0" and on all skills failures.
22. Candidate shall **NOT** fail because of Examiner error.

BLEEDING CONTROL/BANDAGING INJURY LIST

- *B1. Avulsed eye
- *B2. Amputated hand (fist to be used as stump)
 - B3. Burned extremity (Examiner to specify location and position)
 - B4. Impaled object (extremity)
- *B5. Lacerated cheek
- *B6. Lacerated eyeball
 - B7. Lacerated joint (Examiner to specify)
- *B8. Lacerated neck (Examiner to specify location)
- *B9. Lacerated scalp (cranium depressed)
- *B10. Lacerated scalp (no fracture)
- B11. Lacerated arm (extremity)
- B12. Lacerated leg (extremity)

* = These injuries do **NOT** require check of distal circulation, motor function, and sensation. Award 2 points for step 1 and step 9.

SPLINTING INJURY LIST

(closed unless specified below)

- S1. Dislocated shoulder (adducted)
- S2. Fractured knee (Examiner to specify position)
- S3. Fractured ankle
- S4. Fractured clavicle
- S5. Fractured elbow (Examiner to specify position)
- S6. Fractured hand (Examiner to specify position)
- S7. Fractured humerus
- S8. Fractured wrist (angulated, Examiner to specify position)
- S/B9. Fractured radius/ulna (open)
- S/B10. Fractured tib/fib (open)

BANDAGING GRADING CRITERIA

***1. Checks circulation (pulse or capillary refill), motor function and sensation distal to injury before bandaging**

- 2 = Performs above criteria
Criteria not applicable to situation
- 0 = Does not perform above criteria
Monitors at inappropriate location

NOTE: This step does not apply to injuries marked with an "*" on the injury list.

2. Covers injury completely with clean dressing(s) demonstrating aseptic technique

- 2 = Performs above criteria
- 0 = Does not cover injury site completely
Contaminates dressing
Does not use dressing

***3. Secures dressing using appropriate pressure with no excessive movement**

- a. Applies pressures sufficient to control hemorrhage without compromising circulation unless pressure is contraindicated
- b. Uses adequate bulk to control hemorrhage, if pressure is contraindicated
- c. Secures dressing and bandage so they remain in place
- d. Covers dressing completely with bandage
- e. Avoids excessive movement

- 2 = Performs above criteria
- 1 = Does not cover dressing with bandage
- 0 = Does not apply adequate pressure or bulk to control hemorrhage
Compromises distal circulation with excessive pressure
Applies pressure when contraindicated
Causes excessive movement

***4. Uses bandaging technique appropriate to injury**

- a. Uses technique to control hemorrhage, if applicable
- b. Uses technique which does not further aggravate injury

- 2 = Performs above criteria
- 1 = Commits errors which are NOT likely to result in significant deterioration of patient=s condition and/or injury
- 0 = Commits errors which are likely to result in significant deterioration of patient=s condition and/or injury through hemorrhage, contamination, or technique which aggravates wound

***5. Checks circulation (pulse or capillary refill), motor function and sensation distal to injury after bandaging**

- 2 = Performs above criteria
Criteria not applicable to situation
- 0 = Does not perform above criteria
Monitors at inappropriate location

NOTE: This step does not apply to injuries marked with an "*" on the injury list.

SPLINTING GRADING CRITERIA

***1. Checks circulation (pulse or capillary refill), motor function and sensation distal to injury before splinting**

- 2 = Performs above criteria
Criteria not applicable to situation
- 0 = Does not perform above criteria
Monitors at inappropriate location

***2. Immobilizes injury**

- a. Applies splinting techniques which immobilize injury site
- b. Applies splinting techniques immobilizing bones or joints above and below injury site
- c. Does not further aggravate injury by technique

- 2 = Performs above criteria
- 1 = Commits errors which are not likely to result in significant deterioration of patient's condition and/or injury
- 0 = Commits errors which are likely to result in significant deterioration of patient's condition/injury through hemorrhage, contamination, or technique which aggravates wound or fails to adequately immobilize fracture

***3. Checks circulation (pulse or capillary refill), motor function and sensation distal to injury after splinting**

- 2 = Performs above criteria
Criteria not applicable to situation
- 0 = Does not perform above criteria
Monitors at inappropriate location

BANDAGING

[STATION TIME 10 MINUTES]

CANDIDATE=S NAME:		DATE:
__ ECA	__ EMT	__ EMTI
__ EMTP	SCHOOL #:	
__ INITIAL	__ RENEWAL	__ EQUIVALENCY
		__ RETEST
INJURY:	START TIME:	END TIME

- | | | | |
|---|---|---|--|
| 0 | 2 | | *1. Checks circulation (pulse or capillary refill), motor function and sensation distal to injury before bandaging |
| 0 | 2 | | 2. Covers injury completely with clean dressing(s) demonstrating aseptic technique |
| 0 | 1 | 2 | *3. Secures dressing using appropriate pressure with no excessive movement |
| 0 | 1 | 2 | *4. Uses bandaging technique appropriate to injury |
| 0 | 2 | | *5. Checks circulation (pulse or capillary refill), motor function and sensation distal to injury after bandaging |

_____ Candidate=s Total Points (minimum passing total: 7 points)	
Absolutes satisfied: _____ Yes _____ No (Must have at least one point for each step marked with an *)	_____ Pass _____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

SPLINTING

[STATION TIME 10 MINUTES]

CANDIDATE=S NAME:		DATE:
___ ECA	___ EMT	___ EMTI
___ INITIAL	___ RENEWAL	___ EQUIVALENCY
___ EMTP	SCHOOL #:	
___ RETEST		
INJURY:	START TIME:	END TIME

- 0 2 *1. Checks circulation (pulse or capillary refill), motor function and sensation distal to injury before splinting
- 0 1 2 *2. Immobilizes injury
- 0 2 *3. Checks circulation (pulse or capillary refill), motor function and sensation distal to injury after splinting

_____ Candidate=s Total Points (minimum passing total: 4 points)	
Absolutes satisfied: _____ Yes _____ No (Must have at least one point for each step marked with an *)	_____ Pass _____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

BRONCHODILATOR ADMINISTRATION

Handheld Metered Dose Inhaler, Small Volume Nebulizer

TIME ALLOWED FOR SKILL PERFORMANCE - 5 MINUTES PER COMPONENT

PERFORMANCE OBJECTIVE

Given an adult manikin or a human Apatient@ and appropriate equipment and supplies, the candidate shall, within the allotted station time, be able to recognize and select the medication ordered, properly assemble the delivery device and administer the drug using the criteria herein prescribed.

TESTING CONDITIONS

1. Examiner shall insure that the session is conducted as a testing station and **NOT** as a teaching session.
2. The station shall test only the skill of Bronchodilator Administration and shall **NOT** be conducted as a part of any other skill or scenario.
3. Candidates shall be tested in private and one candidate at a time.
4. Examiner shall require candidate to take or verbalize body substance isolation precautions before station time begins.

STATION EQUIPMENT:

1. Adult manikin or a human Apatient@
2. Oxygen tank, regulator and nonrebreather mask
3. Small volume nebulizer administration device and oxygen supply tubing
4. Drug box containing the following items:
 - a. handheld metered dose inhaler and, if required by local protocol, a spacer
 - b. sample or simulation of a bronchodilator packaged for use in a nebulizer
5. A watch or clock with readings in seconds

INSTRUCTIONS TO THE EXAMINER

1. The Course Coordinator, lead Instructor and Examiner are responsible for insuring the presence of all necessary equipment; and also for insuring that all equipment is in working order prior to beginning the test session.
2. Examiner will **NOT** remove or hide equipment required to complete the skill.
3. Before the test session begins, the candidate shall be allowed to familiarize with the equipment. During this time Examiner shall answer any questions the candidate has about the equipment.
4. Scenarios must **NOT** be used except as indicated by the criteria.
5. Examiner shall prompt candidate **ONLY** as indicated by the criteria.
6. The initial setting is the manikin or simulated patient sitting up. Assessment indicates that bronchodilator administration is appropriate. Oxygen is being administered via nonrebreather mask at 15 liters per minute (simulated flow is acceptable).
7. Examiner, acting as medical control, shall specify the drug name (as labeled), dose (number of metered doses) and the route of administration ordered. Instruct the candidate to select that drug and administer it. This is a test of psychomotor skills, not a test of the candidate's knowledge of specific drugs.
8. Choose a drug which is contained in the drug box for the handheld metered dose inhaler segment. Instruct the

candidate to select that drug and administer it. The order should include the use of the spacer, if its use is desired or expected. This station is a test of psychomotor skills, not a test of the candidate's knowledge of specific drugs.

9. Choose a drug which is contained in the drug box for the small volume nebulizer segment. Instruct the candidate to select that drug and administer it via nebulizer with an oxygen flow rate of 8 liters per minute. This station is a test of psychomotor skills, not a test of the candidate's knowledge of specific drugs. .
10. When questioned about allergies, Examiner shall state: AThere are no allergies.@
11. If questioned about self administered doses of other bronchodilators, Examiner shall state: ANo medications have been taken.@
12. Once a test session has begun, it must be completed within the allotted time with **NO** restart allowed.
13. Station time shall **NOT** be restarted or extended for any reason.
14. Station time shall begin immediately after Examiner finishes examination instructions and informs candidates to begin.
15. Examiner shall record starting and ending times in the appropriate section of score sheet.
16. If station time limit is exceeded, Examiner shall end the test, record skill as failure.
17. Sequence errors shall **NOT** be penalized unless specified by the grading criteria.
18. Additional steps not called for in criteria shall **NOT** be penalized as sequence errors
19. Omitted steps shall **NOT** be penalized as sequence errors.
20. Documentation by narrative is required on all steps awarded a "0" and on all skills failures.
21. Candidate shall **NOT** fail because of Examiner error.

HANDHELD METERED DOSE INHALER GRADING CRITERIA

[STATION TIME 5 MINUTES]

Examiner states: AThe patient meets all criteria for administration of a bronchodilator. Medical Control has authorized the administration of _____ (drug name and dose) via handheld metered dose inhaler.@

- *1. Avoids contamination of equipment or replaces contaminated equipment prior to use.**
 - 2 = Performs above criteria
 - 0 = Does not perform above criteria

- *2. Confirms order (medication, dosage and route)**
 - 2 = Performs step
 - 0 = Omits any portion of step

- *3. Informs patient of order for medication and inquires about allergies and recent doses of other bronchodilators**
 - 2 = Performs step
 - 1 = Inquires about allergies but does not inform patient of order or inquire about use of other bronchodilators
 - 0 = Does not inquire about allergies

- *4. Selects correct medication from drug box as requested by Examiner**
 - 2 = Performs step
 - 0 = Omits step

- *5. Verbalizes check of medication for contamination and expiration date**
 - 2 = Performs step
 - 0 = Omits any portion of step

- *6. Shakes the inhaler**
 - 2 = Performs step
 - 0 = Omits step

- 7. Attaches spacer to inhaler, if ordered**
 - 2 = Performs step, if ordered
 - 0 = Omits step, if ordered

- 8. Verbalizes recheck of the medication label**
 - 2 = Performs step
 - 0 = Omits step

- 9. Removes nonrebreather mask from patient**
 - 2 = Performs step
 - 0 = Omits step

- 10. Verbalizes recheck of the medication label**

2 = Performs step

0 = Omits step

*11. **Performs steps 1-10 prior to step 12 and performs at least one (1) recheck of the medication label**

2 = Performs as above

0 = Does not perform as above

12. **Instructs patient to exhale deeply**

2 = Performs step

0 = Omits step

*13. **Instructs patient to put the mouthpiece in mouth and make a seal with lips**

2 = Performs step

0 = Omits step

*14. **Instructs patient to depress the inhaler canister while inhaling and then hold breath as long as comfortable**

2 = Performs step

0 = Omits any portion of step

*15. **Replaces non-rebreather mask on patient**

2 = Performs step

0 = Omits step

SMALL VOLUME NEBULIZER GRADING CRITERIA
[STATION TIME 5 MINUTES]

Examiner states: AThe patient meets all criteria for administration of a bronchodilator. Medical Control has authorized the administration of _____ (drug name and dose) via small volume nebulizer at ____ liters per minute (l.p.m.).@

***1. Avoids contamination of equipment or replaces contaminated equipment prior to use.**

2 = Performs above criteria
0 = Does not perform above criteria

***2. Confirms order (medication, dosage and route)**

2 = Performs step
0 = Omits any portion of step

***3. Informs patient of order for medication and inquires about allergies and recent doses of other bronchodilators**

2 = Performs step
1 = Inquires about allergies but does not inform patient of order or inquire about use of other bronchodilators
0 = Does not inquire about allergies

***4. Selects correct medication from drug box as requested by Examiner**

2 = Performs step
0 = Omits step

***5. Verbalizes check of medication for contamination and expiration date**

2 = Performs step
0 = Omits any portion of step

***6. Adds appropriate volume of medication to the nebulizer**

2 = Performs step
0 = Omits step

***7. Assembles nebulizer according to the manufacturer=s standard (or local protocol) and connects to oxygen regulator**

2 = Performs step
0 = Omits any portion of step

8. Verbalizes recheck of the medication label

2 = Performs step
0 = Omits step

***9. Adjusts oxygen liter flow as ordered and allows mist to fill breathing tube or mask prior to applying to patient**

2 = Adjusts flow rate to within one (1) l.p.m. of requested flow
1 = Adjusts flow rate to within two (2) l.p.m of requested flow
0 = Omits any portion of step
Adjusts flow rate to deliver more than two (2) l.p.m. above or below the requested flow

10. Verbalizes recheck of the medication label

2 = Performs step
0 = Omits step

***11. Performs steps 1-10 prior to step 12 and performs at least one (1) recheck of the medication label**

2 = Performs as above
0 = Does not perform as above

***12. Removes non-rebreather mask and positions nebulizer device on patient**

- a. Begins oxygen flow rate and mist before nebulizer placed on patient
- b. Positions device according to manufacturer=s standard or local protocol

2 = Performs step
0 = Omits any portion of step

NOTE: Examiner shall state that the medication administration has been completed.

BRONCHODILATOR ADMINISTRATION-HANDHELD METERED DOSE INHALER

CANDIDATE=S NAME:			DATE:
__ EMT	__ EMTI	__ EMTP	SCHOOL #:
__ INITIAL	__ RENEWAL	__ EQUIVALENCY	__ RETEST
STATION TIME 5 MINUTES	START TIME:	END TIME:	

- | | | | |
|---|-----|------|--|
| 0 | 2 | *1. | Avoids contamination of equipment or replaces contaminated equipment prior to use. |
| 0 | 2 | *2. | Confirms order (medication, dosage and route) |
| 0 | 1 2 | *3. | Informs patient of order for medication and inquires about allergies and recent doses of other bronchodilators |
| 0 | 2 | *4. | Selects correct medication from drug box as requested by Examiner |
| 0 | 2 | *5. | Verbalizes check of medication for contamination and expiration date |
| 0 | 2 | *6. | Shakes the inhaler |
| 0 | 2 | 7. | Attaches spacer to inhaler, if ordered |
| 0 | 2 | 8. | Verbalizes recheck of the medication label |
| 0 | 2 | 9. | Removes nonrebreather mask from patient |
| 0 | 2 | 10. | Verbalizes recheck of the medication label |
| 0 | 2 | *11. | Performs steps 1-10 prior to step 12 and performs at least one (1) recheck of the medication label |
| 0 | 2 | 12. | Instructs patient to exhale deeply |
| 0 | 2 | *13. | Instructs patient to put the mouthpiece in mouth and make a seal with lips |
| 0 | 2 | *14. | Instructs patient to depress the inhaler canister while inhaling and then hold breath as long as comfortable |
| 0 | 2 | *15. | Replaces non-rebreather mask on patient |

____ Candidate=s Total Points (Minimum passing total: 21 points)	
Absolutes satisfied: ____ Yes ____ No (Must have at least one point for each step marked with an *)	____ Pass ____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

BRONCHODILATOR ADMINISTRATION-SMALL VOLUME NEBULIZER

CANDIDATE=S NAME:			DATE:
__ EMT	__ EMTI	__ EMTP	SCHOOL #:
__ INITIAL	__ RENEWAL	__ EQUIVALENCY	__ RETEST
STATION TIME 5 MINUTES		START TIME:	END TIME:

- | | | | |
|---|-----|------|---|
| 0 | 2 | *1. | Avoids contamination of equipment or replaces contaminated equipment prior to use. |
| 0 | 2 | *2. | Confirms order (medication, dosage and route) |
| 0 | 1 2 | *3. | Informs patient of order for medication and inquires about allergies and recent doses of other bronchodilators |
| 0 | 2 | *4. | Selects correct medication from drug box as requested by Examiner |
| 0 | 2 | *5. | Verbalizes check of medication for contamination and expiration date |
| 0 | 2 | *6. | Adds appropriate volume of medication to the nebulizer |
| 0 | 2 | *7. | Assembles nebulizer according to the manufacturer=s standard (or local protocol) and connects to oxygen regulator |
| 0 | 2 | 8. | Verbalizes recheck of the medication label |
| 0 | 1 2 | *9. | Adjusts oxygen liter flow as ordered and allows mist to fill breathing tube or mask prior to applying to patient |
| 0 | 2 | 10. | Verbalizes recheck of the medication label |
| 0 | 2 | *11. | Performs steps 1-10 prior to step 12 and performs at least one (1) recheck of the medication label |
| 0 | 2 | *12. | Removes non-rebreather mask and positions nebulizer device on patient |

_____ Candidate=s Total Points (Minimum passing total: 17 points)	
Absolutes satisfied: _____ Yes _____ No (Must have at least one point for each step marked with an *)	_____ Pass _____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

EPINEPHRINE AUTO-INJECTOR

TIME ALLOWED FOR SKILL PERFORMANCE - 5 MINUTES

PERFORMANCE OBJECTIVE

Given an epinephrine auto-injector trainer, an injection pad and appropriate equipment and supplies, the candidate shall, within the allotted station time, be able to recognize and select the medication ordered, properly utilize the auto-injector and administer the drug using the criteria herein prescribed. If epinephrine auto-injector trainer is needle-less, candidate may simulate administration on himself.

TESTING CONDITIONS

1. Examiner shall insure that the session is conducted as a testing station and **NOT** as a teaching session.
2. The station shall test only the skill of Epinephrine Auto-injector and shall **NOT** be conducted as a part of any other skill or scenario.
3. Candidates shall be tested in private and one candidate at a time.
4. Examiner shall require candidate to take or verbalize body substance isolation precautions before station time begins.

STATION EQUIPMENT:

1. Epinephrine auto-injector trainer
2. Injection pad or other device capable of being injected, if needed
3. Alcohol/betadine preps
4. Sharps container
5. A watch or clock with readings in seconds

INSTRUCTIONS TO THE EXAMINER

1. The Course Coordinator, lead Instructor and Examiner are responsible for insuring the presence of all necessary equipment; and also for insuring that all equipment is in working order prior to beginning the test session.
2. Examiner will **NOT** remove or hide equipment required to complete the skill.
3. Before the test session begins, the candidate shall be allowed to familiarize with the equipment. During this time Examiner shall answer any questions the candidate has about the equipment.
4. Scenarios must **NOT** be used except as indicated by the criteria.
5. Examiner shall prompt candidate **ONLY** as indicated by the criteria.
6. Examiner, acting as medical control, shall specify the drug name (as labeled), adult dose and the route of administration ordered. Instruct the candidate to select that drug and administer it. This station is a test of psychomotor skills, not a test of the candidate's knowledge of specific drugs.
7. The use of betadine may be verbalized to protect the training model.
8. When questioned about allergies, Examiner shall state: AThere are no allergies.@
9. Once a test session has begun, it must be completed within the allotted time with **NO** restarts allowed.
10. Station time shall **NOT** be restarted or extended for any reason.

11. Station time shall begin immediately after Examiner finishes examination instructions and informs candidates to begin.
12. Examiner shall record starting and ending times in the appropriate section of score sheet.
13. If station time limit is exceeded, Examiner shall end the test, record skill as failure.
14. Sequence errors shall **NOT** be penalized unless specified by the grading criteria.
15. Additional steps not called for in criteria shall **NOT** be penalized as sequence errors
16. Omitted steps shall **NOT** be penalized as sequence errors.
17. Documentation by narrative is required on all steps awarded a "0" and on all skills failures.
18. Candidate shall **NOT** fail because of Examiner error.

EPINEPHRINE AUTO-INJECTOR GRADING CRITERIA

[STATION TIME 5 MINUTES]

Examiner states: AThe patient meets all criteria for administration of epinephrine. Medical Control has authorized the administration of an adult dose of epinephrine via auto-injector.@

***1. Avoids contamination of equipment or replaces contaminated equipment prior to use.**

- 2 = Performs above criteria
- 0 = Does not perform above criteria

***2. Confirms order (medication, dosage and route)**

- 2 = Performs step
- 0 = Omits any portion of step

***3. Informs patient of order for medication and inquires about allergies**

- 2 = Performs step
- 1 = Inquires about allergies but does not inform patient of order
- 0 = Does not inquire about allergies

***4. Selects correct medication from drug box as requested by Examiner**

- 2 = Performs step
- 0 = Omits step

***5. Verbalizes check of medication for contamination and expiration date**

- 2 = Performs step
- 0 = Omits any portion of step

***6. Selects appropriate site and identifies it by pointing to (touching) the site on self**

- 2 = Performs step
- 0 = Omits step or points out an inappropriate site

7. Verbalizes recheck of the medication label

- 2 = Performs step
- 0 = Omits step

8. Prepares the injection site

- a. Cleanses the injection site with betadine or alcohol prep
- b. Cleanses in a circular motion from the injection site outward

- 2 = Performs above criteria
- 1 = Cleanses skin in a manner other than that stated above
- 0 = Does not clean the injection site

9. Verbalizes recheck of the medication label

2 = Performs step

0 = Omits step

***10. Removes safety cap from the injector**

2 = Performs step

0 = Omits step

***11. Performs steps 1-10 prior to step 12 and performs at least one (1) recheck of the medication label**

2 = Performs as above

0 = Does not perform as above

***12. Places the tip of auto-injector against the injection site and pushes the injector firmly against the injection site**

2 = Performs step

0 = Omits any portion of step

***13. Holds auto-injector against the site for 10 seconds**

2 = Holds auto-injector against site for at least 10 seconds

0 = Holds auto-injector against site for less than 10 seconds

14. Removes auto-injector and applies pressure

2 = Performs step

0 = Omits any portion of step

***15. Disposes of contaminated equipment**

2 = Performs above criteria

0 = Does not perform above criteria

EPINEPHRINE AUTO INJECTOR

Candidate=s Name:		Date:
<input type="checkbox"/> EMT	<input type="checkbox"/> EMTI	<input type="checkbox"/> EMTP
School #:		
<input type="checkbox"/> Initial	<input type="checkbox"/> Renewal	<input type="checkbox"/> Equivalency
		<input type="checkbox"/> Retest
Station Time 5 Minutes	Start Time:	End Time:

- | | | | |
|---|-----|------|--|
| 0 | 2 | *1. | Avoids contamination of equipment or replaces contaminated equipment prior to use. |
| 0 | 2 | *2. | Confirms order (medication, dosage and route) |
| 0 | 1 2 | *3. | Informs patient of order for medication and inquires about allergies |
| 0 | 2 | *4. | Selects correct medication from drug box as requested by Examiner |
| 0 | 2 | *5. | Verbalizes check of medication for contamination and expiration date |
| 0 | 2 | *6. | Selects appropriate site and identifies it by pointing to (touching) the site on self |
| 0 | 2 | 7. | Verbalizes recheck of the medication label |
| 0 | 1 2 | 8. | Prepares the injection site |
| 0 | 2 | 9. | Verbalizes recheck of the medication label |
| 0 | 2 | *10. | Removes safety cap from the injector |
| 0 | 2 | *11. | Performs steps 1-10 prior to step 12 and performs at least one (1) recheck of the medication label |
| 0 | 2 | *12. | Places the tip of auto-injector against the injection site and pushes the injector firmly against the injection site |
| 0 | 2 | *13. | Holds auto-injector against the site for 10 seconds |
| 0 | 2 | 14. | Removes auto-injector and applies pressure |
| 0 | 2 | *15. | Disposes of contaminated equipment |

_____ Candidate=s Total Points (minimum passing total: 21 points)	
Absolutes satisfied: _____ Yes _____ No (Must have at least one point for each step marked with an *)	_____ Pass _____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

MECHANICAL AIDS TO BREATHING

TIME ALLOWED FOR SKILL PERFORMANCE - VARIES PER COMPONENT

PERFORMANCE OBJECTIVES for each Mechanical Aids component are as follows:

1. **OXYGEN** - Given an adult manikin or a human Apatient@, an oxygen cylinder, a regulator, a humidifier (optional), an oxygen wrench and an adult non-rebreather mask with a reservoir bag, the candidate shall, within the allotted station time, demonstrate proper attachment of the regulator, the ability to read the pressure gauge accurately and the ability to deliver oxygen using the criteria herein prescribed.
2. **OROPHARYNGEAL AIRWAY** - Given an adult manikin and oropharyngeal airways (in adult, child and infant sizes), the candidate shall, within the allotted station time, demonstrate proper insertion of an oropharyngeal airway using the criteria herein prescribed.
3. **BAG-VALVE-MASK** - Given an adult manikin, a bag-valve-mask, an oxygen reservoir (optional), a preassembled oxygen source and oxygen tubing, the candidate shall, within the allotted station time, demonstrate artificial ventilation using the criteria herein prescribed.
4. **MOUTH-TO-MASK WITH SUPPLEMENTAL OXYGEN** - Given an adult manikin, mouth-to-mask resuscitators with one-way valves, an oxygen inlet, a preassembled oxygen source and oxygen tubing, the candidate shall, within the allotted station time, demonstrate artificial ventilation using the criteria herein prescribed.
5. **SUCTION** - Given an adult manikin, a portable suction device powered by electricity, battery or gas and a suction catheter, the candidate shall, within the allotted station time, demonstrate proper suctioning technique using the criteria herein prescribed.

TESTING CONDITIONS

1. Examiner shall insure that station is conducted as a testing station and **NOT** as a teaching session.
2. The station shall test only the skill of Mechanical Aids to Breathing and shall **NOT** be conducted as a part of any other skill or scenario.
3. Candidates shall be tested in private and one candidate at a time.
4. Examiner shall require candidate to take or verbalize body substance isolation precautions before station time begins.

STATION EQUIPMENT:

1. Adult manikin with lungs capable of being inflated
2. A human Apatient@ (optional)
3. Oxygen cylinder with adequate supply of oxygen
4. An adult non-rebreather mask with reservoir bag
5. Oropharyngeal airways in adult, child and infant sizes
6. Bag-valve with adult mask
7. Mouth-to-mask resuscitator with one-way valves
8. Suction device powered by electricity, battery or gas
9. Watch or clock with reading in seconds
10. Oxygen cylinder wrench
11. Humidifier (optional)
12. Oxygen regulator
13. Oxygen reservoir (optional)
14. Oxygen supply tubing
15. Suction catheters (soft or rigid)
16. Tongue depressor (optional)

INSTRUCTIONS TO EXAMINER

1. The Course Coordinator, lead Instructor and Examiner are responsible for insuring the presence of all necessary equipment and also for insuring that all equipment is in working order prior to beginning the test session.
2. Examiner will **NOT** remove or hide equipment required to complete the skill.
3. Before the test session begins, the candidate shall be allowed to familiarize with the equipment. During this time Examiner shall answer any questions the candidate has about the equipment.
4. Scenarios must **NOT** be used except as indicated by the criteria.
5. Examiner shall prompt candidate **ONLY** as indicated by the criteria.
6. Each of the 5 Mechanical Aids components shall be timed and tested separately. Candidate need retest only on failed components.
7. At this station the candidate will be required to orally answer questions from Examiner as outlined in the testing criteria. Examiner must therefore insure that directions and questions do not infringe upon the station time limits.
8. Station time shall begin immediately after Examiner finishes examination instructions and informs candidate to begin.
9. Examiner shall record starting and ending times in the appropriate section of the score sheet.
10. Once a test session has begun, it must be completed within the allotted time with **NO** restarts allowed.
11. Station time shall **NOT** be restarted or extended for any reason.
12. If station time limit is exceeded, Examiner shall end the test, record skill as failure.
13. Sequence errors shall **NOT** be penalized unless specified by the grading criteria.
14. Documentation by narrative is required on all steps awarded a "0" and on all skills failures.
15. Candidate shall **NOT** fail because of Examiner error.

OXYGEN GRADING CRITERIA
[STATION TIME 5 MINUTES]

1. Prepares and assembles equipment

- a. Opens and closes (cracks) cylinder quickly to blow out debris
- b. Checks for O-ring

2 = Performs above criteria

1 = Does not check for O-ring

0 = Does not clear debris

***2. Assembles regulator to tank**

- a. Attaches regulator
- b. Opens cylinder
- c. Insures no leakage or corrects leakage quickly

2 = Performs above criteria

0 = Unable to prevent cylinder from leaking

3. Checks tank pressure (Examiner shall ask for gauge reading and safe residual)

- a. States pressure accurately (within 100 p.s.i.) when asked by Examiner
- b. States safe residual when asked by Examiner (200 p.s.i.)

2 = Performs above criteria

1 = Does not state correct safe residual

0 = Reads pressure in error by more than 100 p.s.i.

***4. Adjusts liter flow to 15 liters per minute (l.p.m.) or greater**

- a. Connects delivery device to flowmeter
- b. Adjusts liter flow to 15 l.p.m. or greater

2 = Connects delivery device to flowmeter correctly and adjusts flow rate to at least 14 l.p.m.

1 = Connects delivery device to flowmeter correctly and adjusts flow rate to 13 l.p.m.

0 = Connects delivery device incorrectly and/or adjusts flow rate to deliver less than 13 l.p.m.

***5. Prefills reservoir bag**

2 = Performs above criteria

0 = Does not perform above criteria

***6. Applies and adjusts mask with reservoir to the patient=s face**

- a. Begins oxygen flow before device placed on patient
- b. Positions device properly on patient

2 = Performs above criteria

1 = Begins oxygen flow properly, but positions device improperly on patient

0 = Does not begin oxygen flow before device placed on patient

***7. Removes the mask prior to discontinuation of oxygen flow**

2 = Performs above criteria

0 = Does not perform above criteria

OXYGEN (Continued)

***8. Shuts off regulator**

- a. Closes cylinder valve
- b. Bleeds regulator valve completely to return pressure indicator to zero
- c. Detaches regulator

2 = Performs above criteria

1 = Does not bleed regulator valve or detach regulator

0 = Does not close cylinder valve prior to detaching regulator

***9. Maintains safety precautions throughout**

- a. Cracks cylinder away from self and patient
- b. Turns front of gauges away from self and patient when turning on oxygen, hands do not cover gauge
- c. Cylinder secured when unattended

2 = Performs above criteria

1 = Secures cylinder but omits "a" and/or "b"

0 = Does not secure cylinder or attempts to remove cylinder yoke

OROPHARYNGEAL AIRWAY GRADING CRITERIA

[STATION TIME 2 MINUTES]

***1. Selects proper size airway, measuring from earlobe to corner of mouth or other appropriate method**

2 = Chooses correct size using appropriate method

1 = Chooses one size larger or smaller than correct size using appropriate method

0 = Chooses greater than one size larger or smaller,
Uses inappropriate method to measure or fails to measure

***2. Inserts airway**

- a. Opens mouth using jaw lift or cross finger technique
- b. Inserts in front of mouth with tip pointed toward roof, or inserts inside of mouth with tip toward inside of cheek, or tongue depressor is used to hold tongue and airway is inserted tip down
- c. Does not push tongue posteriorly

2 = Performs above criteria

1 = Omits Aa@

0 = Inserts using method other than in Ab@
Pushes tongue posteriorly

NOTE: The Examiner shall advise the candidate that the patient is gagging.

***3. Removes airway**

2 = Performs above step

0 = Omits step

MOUTH-TO-MASK WITH SUPPLEMENTAL OXYGEN GRADING CRITERIA
[STATION TIME 3 MINUTES]

1. Connects one-way valve to mask

- 2 = Performs above criteria
- 0 = Does not perform above criteria

***2 Positions mask properly and opens airway**

- a. Places apex of mask over bridge of nose
- b. Places base of mask between lower lip and prominence on the chin
- c. Opens airway

- 2 = Performs above criteria
- 1 = Positions mask improperly
- 0 = Fails to open airway

3. Establishes and maintains a proper mask-to-face seal

- 2 = Performs above criteria
- 1 = Allows moderate leakage
- 0 = Allows gross leakage

***4. Begins effective ventilations within 30 seconds of beginning of station time**

- a. Ventilations shall be 12-2 seconds in duration
- b. Ventilations shall cause chest rise or lung inflation

- 2 = Begins effective ventilations within 30 seconds of beginning of station time
- 1 = Begins effective ventilations within 31-45 seconds of beginning of station time
- 0 = Does not begin effective ventilations within 45 seconds of beginning of station time

***5. Performs effective ventilations for one (1) minute at rate of 10-20 ventilations per minute**

NOTE: The Examiner shall tell the candidate to stop after 1 minute

- 2 = Performs above criteria
- 0 = Does not perform above criteria

6. Connects mask to oxygen source and adjusts liter flow

- a. Attaches oxygen tubing to inlet on mask and oxygen source
- b. Opens cylinder
- c. Adjusts liter flow to 12-15 liters per minute (l.p.m.) or greater

- 2 = Performs above criteria
- 0 = Fails to properly connect mask to oxygen source
 - Fails to open cylinder
 - Adjusts flow rate to deliver less than 12 l.p.m.

MOUTH-TO-MASK WITH SUPPLEMENTAL OXYGEN (Continued)

- *7. **Resumes ventilations within 15 seconds and continues effective ventilation for 30 seconds at rate of 10-20 ventilation per minute**

NOTE: The Examiner shall tell the candidate to stop after 30 seconds

2 = Performs above criteria
0 = Does not perform above criteria

BAG-VALVE-MASK GRADING CRITERIA
[STATION TIME 3 MINUTES]

- *1. **Positions mask properly and opens airway**

- a. Places apex of mask over bridge of nose
- b. Places base of mask between lower lip and prominence on the chin
- c. Opens airway

2 = Performs above criteria
1 = Positions mask improperly
0 = Fails to open airway

2. **Maintains adequate seal around mouth and nose**

2 = Performs above criteria
1 = Allows moderate leakage
0 = Allows gross leakage

- *3. **Begins effective ventilations (chest rise or lung inflation) within 30 seconds of beginning of station time**

2 = Begins effective ventilations within 30 seconds of beginning of station time
1 = Begins effective ventilations within 31-45 seconds of beginning of station time
0 = Does not begin effective ventilations within 45 seconds of beginning of station time

- *4. **Performs effective ventilations for one (1) minute at rate of 10-20 ventilations per minute**

NOTE: The Examiner shall tell the candidate to stop after 1 minute

2 = Performs above criteria
0 = Does not perform above criteria

5. **Connects BVM to oxygen source and adjusts liter flow**

- a. Attaches oxygen tubing to BVM and oxygen source
- b. Opens cylinder
- c. Adjusts liter flow to 12-15 liters per minute (l.p.m.) or greater

2 = Performs above criteria
0 = Fails to properly connect BVM to oxygen source
Fails to open cylinder
Adjusts flow rate to deliver less than 12 l.p.m.

- *6. **Resumes ventilation within 15 seconds and continues effective ventilation for 30 seconds at rate of 10-20**

ventilation per minute

NOTE: The Examiner shall tell the candidate to stop after 30 seconds

2 = Performs above criteria

0 = Does not perform above criteria

SUCTIONING GRADING CRITERIA
[STATION TIME 2 MINUTES]

***1. Positions patient to prevent aspiration by turning patient's head to side or turning the patient to the side as a unit**

2 = Performs above criteria

0 = Does not perform above criteria

***2. Prepares suction device**

a. Turns on suction device

b. Assures presence of mechanical suction

2 = Performs above criteria

0 = Does not perform above criteria

***3. Inserts catheter and applies suction properly**

a. Measures from earlobe to corner of mouth or uses other acceptable technique

b. Inserts to measured depth

c. Applies suction only as catheter is being removed from mouth

2 = Performs above criteria

1 = Applies suction when entering mouth and/or inserts beyond measured depth

0 = Omits step "a" or fails to suction

***4. Suctions for 5-15 seconds**

2 = Performs above criteria

1 = Suctions for 16-30 seconds

0 = Suctions for less than 5 seconds or more than 30

MECHANICAL AIDS TO BREATHING

CANDIDATE=S NAME:		DATE:
___ ECA	___ EMT	___ EMTI
___ EMTP	SCHOOL #:	
___ INITIAL	___ RENEWAL	___ EQUIVALENCY
___ RETEST		
OXYGEN [5 MINUTES]	START TIME:	END TIME:

- 0 1 2 1. Prepares and assembles equipment
- 0 2 *2. Assembles regulator to tank
- 0 1 2 3. Checks tank pressure (Examiner shall ask for gauge reading and safe residual)
- 0 1 2 *4. Adjusts liter flow to 15 liters per minute (lpm) or greater
- 0 2 *5. Prefills reservoir bag
- 0 1 2 *6. Applies and adjusts mask with reservoir to the patient=s face
- 0 2 *7. Removes the mask prior to discontinuation of oxygen flow
- 0 1 2 *8. Shuts off regulator
- 0 1 2 *9. Maintains safety precautions throughout

___ Candidate=s Total Points (minimum passing total: 13 points)	
Absolutes satisfied: ___ Yes ___ No (Must have at least one point for each step marked with an *)	___ Pass ___ Fail
Examiner:	Cert. No. (if assigned):

OROPHARYNGEAL AIRWAY [2 MINUTES]	START TIME:	END TIME:
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- 0 1 2 *1. Selects proper size, measuring from earlobe to corner of mouth or other appropriate method
- 0 1 2 *2. Inserts airway
- 0 2 *3. Removes airway

___ Candidate=s Total Points (minimum passing total: 4 points)	
Absolutes satisfied: ___ Yes ___ No (Must have at least one point for each step marked with an *)	___ Pass ___ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

MECHANICAL AIDS TO BREATHING

CANDIDATE=S NAME:	DATE:
__ ECA __ EMT __ EMTI __ EMTP	SCHOOL #:
__ INITIAL __ RENEWAL __ EQUIVALENCY __ RETEST	
MOUTH-TO-MASK [3 MINUTES]	START TIME: END TIME:

- | | | | |
|---|---|-----|---|
| 0 | 2 | 1. | Connects one-way valve to mask |
| 0 | 1 | 2 | *2. Positions mask properly and opens airway |
| 0 | 1 | 2 | 3. Establishes and maintains a proper mask-to-face seal |
| 0 | 1 | 2 | *4. Begins effective ventilations within 30 seconds of beginning of station time |
| 0 | 2 | *5. | Performs effective ventilations for one (1) minute at rate of 10-20 ventilations per minute |
| 0 | 2 | 6. | Connects mask to oxygen source and adjusts liter flow |
| 0 | 2 | *7. | Resumes ventilations within 15 seconds and continues effective ventilations for 30 seconds at rate of 10-20 ventilations per minute |

_____ Candidate=s Total Points (minimum passing total: 10 points)	
Absolutes satisfied: _____ Yes _____ No (Must have at least one point for each step marked with an *)	_____ Pass _____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

MECHANICAL AIDS TO BREATHING

CANDIDATE=S NAME:	DATE:
__ ECA __ EMT __ EMTI __ EMTP	SCHOOL #:
__ INITIAL __ RENEWAL __ EQUIVALENCY __ RETEST	
BAG-VALVE-MASK [3 MINUTES]	START TIME: END TIME:

- | | | | | |
|---|---|---|-----|---|
| 0 | 1 | 2 | *1. | Positions mask properly and opens airway |
| 0 | 1 | 2 | 2. | Maintains adequate seal around mouth and nose |
| 0 | 1 | 2 | *3. | Begins effective ventilations (chest or lung inflation) within 30 seconds of beginning of station time |
| 0 | 1 | 2 | *4. | Performs effective ventilations for one (1) minute at a rate of 10-20 ventilations per minute |
| 0 | | 2 | 5. | Connects BVM to oxygen source and adjusts liter flow |
| 0 | | 2 | *6. | Resumes ventilations within 15 seconds and continues effective ventilations for 30 seconds at rate of 10-20 ventilations per minute |

____ Candidate=s Total Points (minimum passing total: 7 points)	
Absolutes satisfied: ____ Yes ____ No (Must have at least one point for each step marked with an *)	____ Pass ____ Fail
Examiner:	Cert. No. (if assigned):

SUCTIONING [2 MINUTES]	START TIME:	END TIME:
-------------------------------	-------------	-----------

- | | | | | |
|---|---|-----|--|---|
| 0 | 2 | *1. | Positions patient to prevent aspiration by turning patient's head to side or turning the patient to the side as a unit | |
| 0 | 2 | *2. | Prepares suction device | |
| 0 | 1 | 2 | *3. | Inserts catheter and applies suction properly |
| 0 | 1 | 2 | *4. | Suctions for 5-15 seconds |

____ Candidate=s Total Points (minimum passing total: 6 points)	
Absolutes satisfied: ____ Yes ____ No (Must have at least one point for each step marked with an *)	____ Pass ____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

PNEUMATIC ANTI-SHOCK GARMENT (P.A.S.G.)

TIME ALLOWED FOR SKILLS PERFORMANCE - 5 MINUTES

PERFORMANCE OBJECTIVE

Given a full-body manikin or a human Apatient@ the candidate shall, within the allotted time, demonstrate the proper application of the P.A.S.G. using the criteria herein prescribed.

TESTING CONDITIONS

1. The Examiner shall insure that station is conducted as a testing station and **NOT** as a teaching session.
2. The station shall test only the skill of Pneumatic Anti-Shock Garment and shall **NOT** be conducted as a part of any other skill or scenario.
3. Candidates shall be tested in private and one candidate at a time.
4. A non-candidate, a previously tested candidate, or a full-body manikin **MUST** be used as the "patient." The Examiner shall **NOT** be used as the "patient."
5. The "patient" shall **NOT** "cue" the candidate being tested but may assist to the extent that an actual patient would be able. The patient shall be cooperative.
6. The candidate shall be assisted by a partner who shall perform as an EMT. The partner shall be a non-candidate or a previously tested candidate. The Examiner shall **NOT** be used as the partner.
7. Examiner shall require candidate to take or verbalize body substance isolation precautions before station time begins.

STATION EQUIPMENT

1. Adult Pneumatic Anti-Shock Garment (P.A.S.G.)
2. A full-body manikin or a human Apatient@
3. Watch or clock with reading in seconds

INSTRUCTIONS TO THE EXAMINER

1. The Course Coordinator, lead Instructor and Examiner are responsible for insuring the presence of all necessary equipment and also for insuring that all equipment is in working order prior to beginning the test session.
2. The Examiner will **NOT** remove or hide equipment required to complete the skill.
3. Before the skills examination begins the candidate should be allowed to check packaging of the P.A.S.G. The P.A.S.G. shall be in its carrying case when the skills examination begins.
4. Care should be taken to remove all sharp objects from the patient before the examination begins.
5. The Examiner shall instruct the candidate to remove the "patient's" clothing if the "patient" is wearing a bathing suit underneath clothing. If "patient" is not wearing bathing suit the Examiner shall instruct the candidate to verbalize clothing removal at the proper time. The Examiner shall also state that there is **NO** spinal injury.
6. Scenarios must **NOT** be used except as indicated by the criteria.

7. The Examiner shall prompt candidate **ONLY** as indicated by the criteria.
8. The Examiner will provide information regarding the patient's history **ONLY** as indicated in the criteria.
9. Once a test session has begun, it must be completed within the allotted time with **NO** restarts allowed.
10. Station time shall **NOT** be restarted or extended for any reason.
11. Station time shall begin immediately after Examiner finishes examination instructions and informs candidate to begin.
12. The Examiner shall record starting and ending times in the appropriate section of the score sheet.
13. If station time limit is exceeded, Examiner shall end the test, record skill as failure.
14. Sequence errors shall **NOT** be penalized unless specified by the grading criteria.
15. Documentation by narrative is required on all steps awarded a "0" and on all skills failures.
16. Candidate shall **NOT** fail because of Examiner or assistant error.

PNEUMATIC ANTI-SHOCK GARMENT (P.A.S.G.) GRADING CRITERIA

Examiner states: "The patient meets all criteria for the application of the P.A.S.G."

1. Prepares patient for application of the P.A.S.G. (Removes clothing or states "Clothing has been removed," as appropriate)

- 2 = Performs above criteria
- 0 = Does not perform above criteria

***2. Positions and aligns garment**

- 2 = Positions garment so top of abdominal section is immediately below lowest lateral rib
- 1 = Positions garment so top of abdominal section is no lower than the top of the iliac crest
- 0 = Positions garment so abdominal section is above lowest lateral rib or below the top of the iliac crest.
Applies garment inside out.

***3. Secures leg sections**

- 2 = Completes snug application of leg sections
- 1 = Applies leg sections loosely
- 0 = Omits step

***4. Secures abdominal section**

- 2 = Completes snug application of abdominal section
- 1 = Applies abdominal section loosely
- 0 = Omits step

***5. Inflates garment (Three (3) compartments all at one time or leg sections then abdominal section)**

NOTE: *DO NOT ALLOW INFLATION.* After candidate begins inflation of P.A.S.G. Examiner shall stop candidate then state "The garment is inflated," or "The leg section is inflated," whichever is appropriate.

- 2 = Begins inflation in proper order
- 0 = Fails to begin inflation
Inflates abdominal section prior to leg sections

***6. Sets valves to prevent loss of air from garment**

- 2 = Performs step
- 0 = Omits step

PNEUMATIC ANTI-SHOCK GARMENT (P.A.S.G.)

CANDIDATE=S NAME:		DATE:
__ EMT	__ EMTI	__ EMTP
SCHOOL #:		
__ INITIAL	__ RENEWAL	__ EQUIVALENCY
		__ RETEST
STATION TIME 5 MINUTES	START TIME:	END TIME:

- | | | | |
|---|---|-----|--|
| 0 | 2 | 1. | Prepares patient for application of the P.A.S.G. (Removes clothing or states "Clothing has been removed," as appropriate) |
| 0 | 1 | *2. | Positions and aligns garment |
| 0 | 1 | *3. | Secures leg sections |
| 0 | 1 | *4. | Secures abdominal section |
| 0 | 2 | *5. | Inflates garment (Three (3) compartments all at one time or leg sections then abdominal section)
NOTE: DO NOT ALLOW INFLATION. |
| 0 | 2 | *6. | Sets valves to prevent loss of air from garment |

_____ Candidate=s Total Points (Minimum passing total: 8 points)	
Absolutes satisfied: _____ Yes _____ No (Must have at least one point for each step marked with an *)	_____ Pass _____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

PATIENT ASSESSMENT

**TIME ALLOWED FOR SKILL PERFORMANCE - 15 MINUTES FOR PHYSICAL SURVEY
- 5 MINUTES FOR VITAL SIGNS**

PERFORMANCE OBJECTIVE

1. **PHYSICAL SURVEY** - Given a human Apatient,@ a stethoscope, a blood pressure cuff, a pen light and a scenario describing the circumstances of the patient=s illness or injury, the candidate shall, within the allotted station time, perform an assessment of the patient, including the scene size-up, initial assessment and focused history and physical examination or detailed physical examination and state appropriate interventions for the patient=s problems, using the criteria herein prescribed..
2. **VITAL SIGNS** - Given a human Apatient@ the candidate shall, within the allotted station time, determine the pulse, respirations, and palpated and auscultated blood pressure.

TESTING CONDITIONS

1. Examiner shall insure that the session is conducted as a testing station and **NOT** as a teaching session.
2. Examiner shall prompt the candidate only as indicated by the criteria.
3. Candidates shall be tested in private and one candidate at a time.
4. A non-candidate or a previously tested candidate **MUST** be used as the "patient." If it is necessary to use a candidate who has not yet tested this skill, that candidate shall **NOT** be tested using the same scenario. The Examiner shall determine that the patient has readily palpable radial pulses. Examiner shall **NOT** be used as the "patient."
5. The patient shall **NOT** "cue" the candidate being examined but may assist to the extent that an actual patient would be able. The patient shall be cooperative.
6. Based on the scenario, the candidate should talk to the Apatient@ and/or Examiner as the candidate progresses through the test.
7. Examiner shall require candidate to take or verbalize body substance isolation precautions before station time begins.
8. Examiner shall require candidates to have pen or pencil and a piece of paper on which to chart vital signs and other observations. Other methods such as writing on gloves, etc. are also acceptable.
9. **The scenario(s) will be based on protocols established by the Course Medical Director and/or Course Coordinator that are appropriate to the skill level of the course and shall have been submitted as part of the course approval documents.** Scenarios must include both medical and trauma patients.

STATION EQUIPMENT:

1. A human Apatient@
2. A watch with a second hand or a digital watch (provided by candidate).
3. Pen or pencil and paper (provided by candidate).
4. A blood pressure cuff of appropriate size.
5. A stethoscope
6. A teaching stethoscope
7. A penlight
8. A watch or clock with readings in seconds (for Examiner)

INSTRUCTIONS TO THE EXAMINER

1. The Course Coordinator, lead Instructor and Examiner are responsible for insuring the presence of all necessary equipment; and also for insuring that all equipment is in working order prior to beginning the test session.
2. Examiner will **NOT** remove or hide equipment required to complete the skill.
3. Before the test session begins, the candidate shall be allowed to familiarize with the equipment. During this time Examiner shall answer any questions the candidate has about the equipment.
4. Once vital sign values are given, no further attempts will be allowed.
5. Vital sign reports will be compared to values obtained by Examiner.
6. Once a test session has begun, it must be completed within the allotted time with **NO** restarts allowed.
7. Station time shall **NOT** be restarted or extended for any reason.
8. Station time shall begin immediately after Examiner finishes examination instructions, reads the scenario to the candidate, and informs candidate to begin.
9. Examiner shall record starting and ending times in the appropriate section of the score sheet.
10. If station time limit is exceeded, Examiner shall end the test, record skill as failure.
11. Sequence errors shall **NOT** be penalized unless specified by the grading criteria.
12. The candidate shall be assigned a scenario **randomly**. Examiner will read the scenario to the candidate, giving the candidate the dispatch information and what the candidate can see upon arrival at the scene. The candidate then is expected to continue the assessment of the patient as would be appropriate in a real situation.
13. **ONLY** scenarios submitted with the course approval application are to be used.
14. Documentation by narrative is required on all steps awarded a "0" and on all skills failures.
15. Candidate shall **NOT** fail because of Examiner or Apatient@ error.

PHYSICAL SURVEY GRADING CRITERIA

[STATION TIME 15 MINUTES]

***1. Performs scene size-up**

- a. Determines scene safety before beginning initial assessment
- b. Determines mechanism of injury/nature of illness
- c. Determines number of patients
- d. Requests additional help, if necessary

2 = Performs above criteria

1 = Omits Ac@ or Ad@

0 = Omits step

Omits Aa@ or Ab@

***2. Performs initial assessment**

- a. Determines general impression of patient (Candidate should ask, AHow does the patient look?@ or make some other inquiry regarding the patient=s general appearance
- b. Assesses mental status (AVPU)
- c. Assesses airway
- d. Assesses breathing
- e. Assesses presence/quality of perfusion (radial/carotid pulse, skin color/temperature/condition or capillary refill)
- f. Assesses for major bleeding, if applicable

2 = Performs above criteria

0 = Omits Aa@, Ab@, Ac@, Ad@ or Ae@ in any patient

Omits Af@ in trauma patient

Performs detailed or focused physical examination, takes baseline vital signs, or attempts to obtain SAMPLE history before completing initial assessment

***3. Describes interventions for problems found during initial survey**

- a. Provides immediate manual immobilization of C-spine if indicated by mechanism of injury
- b. Opens airway appropriately
- c. Assures adequate oxygenation/ventilation
- d. Controls major bleeding, if applicable

NOTE: Verbalization of interventions is acceptable.

2 = Performs above criteria

0 = Does not perform above criteria

Performs detailed or focused physical examination, takes baseline vital signs, or attempts to obtain SAMPLE history before providing care for problems found during initial survey

Attempts to manage less serious problems before life threats and potential life threats have been identified and corrected

Opens airway inappropriately

***4. Identifies patient priority; makes transport decisions**

- 2 = Correctly determines if patient requires immediate transport or continued on-scene evaluation and stabilization
- 0 = Does not correctly determine if patient requires immediate transport or continued on-scene evaluation and stabilization

NOTE: If not obvious from the scenario, the Examiner should ask the candidate to justify rationale for transport decision.

***5. Performs focused physical examination**

- a. Trauma patients (Serious injuries or mechanisms of injury): Performs rapid detailed physical exam (head-to-toe exam) (DCAP-BTLS); examines neck for distended jugular veins and tracheal deviation; examines chest for crepitation, paradoxical motion, equality of breath sounds, examines abdomen for rigidity or distension
- b. Trauma patients (Isolated injury and no significant mechanism of injury): Evaluates local injury or injuries
- c. Medical patients (Responsive): Performs exam guided by patient=s chief complaint
- d. Medical patients (Unresponsive): Performs rapid detailed physical exam (head-to-toe exam) as for unstable trauma patients

- 2 = Performs above criteria
- 1 = Performs above criteria but exam is not organized
- 0 = Does not perform rapid head-to-toe exam when indicated by patient condition or mechanism of injury/nature of illness

***6. Obtains baseline vital signs** (The candidate will simulate assessing the pulse, respirations, and blood pressure. The Examiner will then provide the:

- a. pulse, rate, rhythm, and quality
- b. respiratory rate, rhythm, and quality
- c. blood pressure

- 2 = Performs above criteria
- 0 = Does not perform above criteria

***7. Obtains SAMPLE history from patient or others**

- 2 = Attempts to obtain signs and symptoms (history of present illness), allergies, medications, past history, last oral intake, and events leading up to emergency
- 1 = Does not attempt to obtain information about last oral intake
- 0 = Does not attempt to obtain signs and symptoms (history of present illness), allergies, medications, past history, or events leading up to emergency

***8. Describes interventions for problems identified during history and focused examination**

NOTE: Verbalization of interventions is acceptable.

- 2 = Provides appropriate care for problems identified during focused history and physical examination
 - 1 = Omits care or provides inappropriate care which would **NOT** have resulted in significant deterioration of patient=s condition and/or injury
 - 0 = Omits care or provides inappropriate care which would have resulted in significant deterioration of patient=s condition and/or injury
- Performs interventions on-scene with priority patient who should have been treated enroute to hospital
Does not provide spinal protection when indicated

9. Performs detailed physical examination, as indicated

- a. Head: Inspects/palpates scalp; inspects/palpates face; inspects nose, mouth, ears; inspects eyes/pupils

- b. Neck: Inspects/palpates; assesses for jugular vein distension; assesses for tracheal deviation
- c. Chest: Inspects/palpates; auscultates for equality of breath sounds
- d. Abdomen: Inspects/palpates all four quadrants
- e. Pelvis: Palpates for instability; verbalizes assessment of genitalia/perineum, as needed
- f. Extremities: Inspects/palpates all four extremities; assesses circulation, motor and sensory function
- g. Back: Inspects/palpates thoracic/lumbar spine; inspects/palpates entire back

2 = Performs above criteria

Step not required in this scenario

1 = Does not inspect nose, mouth, ears

Does not assess extremity circulation, motor and sensory function in all four extremities

0 = Does not perform detailed physical examination when indicated

Omits any portion of detailed physical examination **EXCEPT** failing to inspect nose, mouth, ears or does not assess extremity circulation and motor/sensory function

10. Reports to hospital after obtaining appropriate information

- a. Age/gender of patient and problems found in primary assessment, if any
- b. Patient=s chief complaint
- c. Estimate of severity of patient=s condition
- d. Brief history of present illness/injury
- e. Vital signs
- f. Allergies, medications, past history, last oral intake, and events leading up to incident
- g. Physical exam findings
- h. Pertinent treatment provided
- i. Anticipated time of arrival

NOTE: A required sequence of reporting information is not implied. ADisorganized@ means that candidate fails to obtain all information before beginning report and interrupts report to obtain patient information.

2 = Performs above criteria

1 = Radio traffic disorganized

Radio report omits Aa@, Af@, or Ai@

0 = Radio report omits Ab@, Ac@, Ad@, Ae@, Ag@ or Ah@

***11. Describes ongoing assessment** (Examiner should ask candidate to describe how candidate would manage the patient during the remainder of the transport to the hospital.)

- a. Repeats initial assessment (AVPU, ABC=s)
- b. Repeats vital signs (every 5 minutes for unstable patients; every 15 minutes for stable patients)
- c. Repeats focused assessment regarding patient complaint or injuries
- d. Checks interventions

NOTE: Verbalization of interventions is acceptable.

2 = Performs above criteria

0 = Does not perform above criteria

VITAL SIGNS GRADING CRITERIA [STATION TIME 5 MINUTES]

***1. Calculates and reports pulse**

- a. Avoids using thumb
- b. Reports rate within 10% of Examiner=s value
- c. Describes quality (strong, weak, thready, etc.)
- d. Describes regularity (regular or irregular)

2 = Performs above criteria

1 = Fails to report Ac@ and/or Ad@

0 = Omits step

Uses thumb

Reports value that is in error greater than 10% from Examiner=s value

***2. Calculates and reports respiratory rate**

- a. Reports rate within plus or minus two (2) of Examiner=s value
- b. Describes quality (shallow, labored, etc.)
- c. Describes regularity (regular or irregular)

2 = Performs above criteria

1 = Fails to report Ab@ and/or Ac@

Reports rate within three (3) of Examiner=s value

0 = Omits step

Reports rate that is in error greater than three (3) from Examiner=s value.

NOTE: Examiner shall direct candidate to palpate blood pressure before auscultating blood pressure.

***3. Palpates and reports systolic blood**

- a. Uses brachial or radial pulse
- b. Locates pulse before cuff inflation
- c. Reports palpated systolic within 10 mm Hg of Examiner=s palpated value
- d. Deflates cuff completely prior to reinflation (if 2nd or 3rd attempt performed)

2 = Performs above criteria

1 = Reports value differing 11-16 mm Hg from Examiner=s palpated value

Omits Aa@, Ab@ and/or Ad@

0 = Omits step

Reports value that is in error greater than 16 mm Hg from Examiner=s palpated value

NOTE: Examiner shall NOT palpate at the same time as the candidate

***4. Auscultates and reports auscultated blood pressure**

- a. Systolic over diastolic
- b. Reports each value within 8 mm Hg of Examiner=s values
- c. Deflates cuff completely prior to reinflation (If 2nd or 3rd attempt performed)

2 = Performs above criteria

1 = Reports any value differing 9-12 mm Hg from Examiner=s value

Omits Ac@

0 = Omits step

Requires more than 3 attempts

Reports any value that is in error greater than 12 mm Hg from Examiner=s values

Reports diastolic over systolic

SUGGESTED FORMAT FOR PATIENT ASSESSMENT SCENARIOS

NOTE: This is a *SUGGESTED* format. If you are already using a scenario format it is *NOT* necessary to reformat your scenarios to an identical format.

Scenario: (Describe the scene, including the situation, information about the patient to include age, position, etc., clues to mechanism of injury, and scene safety or lack thereof.)

Initial Assessment: Level of Consciousness:

(Primary Survey) **Airway:**
 Breathing:
 Circulation:

Vital Signs: **Pulse:** (To include rate, regularity, strength, and location, if applicable)
 Blood Pressure:
 Respirations: (To include rate, regularity & quality)

Detailed Physical Exam: **Head:**
(Head-to-toe Exam) **Neck:**
 Chest:
 Abdomen: (To include pelvis in trauma patients)
 Back:
 Extremities:

SAMPLE: **Signs & Symptoms:**
 Allergies:
 Medications:
 Past History:
 Last Meal:
 Events:

Management: (Intervention that should be verbalized by the candidate to include:
 interventions for problems found during initial survey; transport decision;
 interventions for problems found during history and focused examination.)

Report: (Information that MUST be reported to hospital.)

PATIENT ASSESSMENT PHYSICAL SURVEY

CANDIDATE=S NAME:		DATE:
__ ECA	__ EMT	__ EMTI
__ EMTP	SCHOOL #:	
__ INITIAL	__ RENEWAL	__ EQUIVALENCY
		__ RETEST
STATION TIME 15 MINUTES	START TIME:	END TIME:

- 0 1 2 *1. Performs scene size-up
- 0 2 *2. Performs initial assessment
- 0 2 *3. Describes interventions for problems found during initial survey
- 0 2 *4. Identifies patient priority; makes transport decisions
- 0 1 2 *5. Performs focused physical examination
- 0 2 *6. Obtains baseline vital signs
- 0 2 *7. Obtains SAMPLE history from patient or others
- 0 1 2 *8. Describes interventions for problems identified during history and focused examination
(Indicate care described on attached sheet.)
- 0 1 2 9. Performs detailed physical examination, as indicated
- 0 1 2 10. Reports to hospital after obtaining appropriate information
- 0 2 *11. Describes ongoing assessment

____ Candidate=s Total Points (Minimum passing total: 16 points)		
Absolutes satisfied: ____ Yes ____ No (Must have at least one point for each step marked with an *)		____ Pass ____ Fail
Examiner:	Cert. No. (if assigned):	

Documenting Comments:

PATIENT ASSESSMENT VITAL SIGNS

CANDIDATE=S NAME:		DATE:
__ ECA __ EMT __ EMTI __ EMTP		SCHOOL #:
__ INITIAL __ RENEWAL __ EQUIVALENCY __ RETEST		
STATION TIME 5 MINUTES	START TIME:	END TIME:

0	1	2	*1. Calculates and reports pulse	Candidate _____	Difference
				Examiner _____	
0	1	2	*2. Calculates and reports respiratory rate	Candidate _____	Difference
				Examiner _____	
0	1	2	*3. Palpates and reports systolic blood pressure	Candidate _____	Difference
				Examiner _____	
0	1	2	*4. Auscultates and reports auscultated blood pressure	Candidate _____	Systolic
				Examiner _____	Difference
				Candidate _____	Diastolic
				Examiner _____	Difference

____ Candidate=s Total Points (Minimum passing total: 6 points)	
Absolutes satisfied: ____ Yes ____ No (Must have at least one point for each step marked with an *)	____ Pass ____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

SPECIAL NOTES

CARDIOPULMONARY RESUSCITATION

The Emergency Medical Services Division of the Texas Department of Health has by rule adopted the American Heart Association (AHA) Basic Life Support Health Care Provider Course and the American Red Cross (ARC) CPR for the Professional Rescuer Course as the accepted curriculum for **Cardiopulmonary Resuscitation** (CPR) training in Emergency Care Attendant, Emergency Medical Technician (EMT), EMT-Intermediate and EMT-Paramedic training courses.

Students attending any of the above-mentioned classes should be trained in **CPR** according to the guidelines of the AHA or the ARC and their skills proficiency should be verified by a certified EMS Examiner using AHA or ARC guidelines. Documentation of **CPR** proficiency verification should be maintained by the Coordinator in the same manner required for other skills.

PATIENT ASSESSMENT

While **Patient Assessment** is a basic skill, the adoption of the new curriculum which blurs the traditional line between basic and advanced skills presents problems in evaluating patient assessment skills. Texas is faced with particular problems because we must now differentiate between ECA and EMT skills for the first time.

In performing **Patient Assessment** for proficiency verification, each candidate *must* perform to the skill level for which he/she is being trained when the verification is a part of an initial training course. In the case of recertifying individuals, performance must be at the skill level of the certification.

As the advanced criteria and skills have not been revised at this time, Intermediate and Paramedic personnel may choose to test using the **Patient Assessment** skills criteria and score sheets dated 9/93. Versions of skills criteria and score sheets shall *not* be mixed. If the decision is to use the **Patient Assessment** skills criteria and score sheets dated 9/93, that version of skills criteria and score sheets must be used for *all* basic skills. The option of choosing which version of skills criteria and score sheets to use may be exercised only through August 31, 1997. After that the new basic skills criteria and score sheets dated 9/96 *must* be used for basic skills

If the Course Medical Director and/or Course Coordinator choose to develop scenarios to be used with the new basic skills criteria and score sheets dated 9/96, the Examiner used *must* be certified at least to the skill level to which the candidate is expected to perform.

The AEMS Education and Training Manual@ is currently being revised. That manual will set out requirements for submission of appropriate scenarios as a part of the self-study/program approval process.

SPINAL IMMOBILIZATION

TIME ALLOWED FOR SKILL PERFORMANCE - 10 MINUTES PER COMPONENT

PERFORMANCE OBJECTIVE

Given a human Apatient@ with a potential spinal injury, the candidate shall, within the allotted station time, use the proper technique to immobilize the spine using short and long spinal immobilization devices.

TESTING CONDITIONS

1. The Examiner shall insure that the session is conducted as an testing station and **NOT** as a teaching session.
2. The station shall test only the skill of Spinal Immobilization and shall **NOT** be conducted as a part of any other skill or scenario.
3. Candidates shall be tested in private and one candidate at a time.
4. A non-candidate or a previously tested candidate **MUST** be used as the "patient." The Examiner shall **NOT** be used as the "patient."
5. The patient or the partner shall **NOT** "cue" the candidate. The patient shall be cooperative.
6. In ASpinal Immobilization of Seated Patient@ the patient will be conscious, sitting with head flexed slightly forward and complaining only of neck and/or back pain.
7. In ASpinal Immobilization of Supine Patient@ the patient will be lying supine on floor and complaining only of neck and/or back pain.
8. The candidate shall be assisted by a partner who is a non-candidate or a previously tested candidate. The candidate shall communicate clearly with the patient and the partner. The Examiner shall **NOT** be used as the partner.
9. A third person may be used during the transfer to the long immobilization device. The Examiner may be this third person but the use of a non-involved "bystander" is encouraged.
10. Examiner shall require candidate to take or verbalize body substance isolation precautions before station time begins.

STATION EQUIPMENT

1. A human Apatient@
2. Extrication collars
3. A vest-type short spinal immobilization device or a short board with straps
4. A long spinal immobilization device with straps
5. All necessary accessories for devices
6. Tape (for use only in immobilizing the head)
7. Watch or clock with reading in seconds

INSTRUCTIONS TO THE EXAMINER

1. The Course Coordinator, lead Instructor and Examiner are responsible for insuring the presence of all necessary equipment; and also for insuring that all equipment is in working order prior to beginning the test session.
2. The Examiner will **NOT** remove or hide equipment required to complete the skill.
3. Before the test session begins, the candidate shall be allowed to familiarize with the equipment and may attach straps or other immobilization devices. During this time the Examiner shall answer any questions the candidate has about the equipment.
4. The Examiner shall prompt candidates **ONLY** as indicated by criteria.
5. Scenario must **NOT** be used in the test session.
6. Once a test session has begun, it must be completed within the allotted time with **NO** restarts allowed.
7. Station time shall **NOT** be restarted or extended for any reason.
8. Station time shall begin immediately after Examiner finishes examination instructions and informs candidate to begin.
9. The Examiner shall record starting and ending times in the appropriate section of score sheet.
10. If time limit is exceeded, Examiner shall end the test, record skill as failure.
11. Sequence errors shall **NOT** be penalized unless specified by the grading criteria.
12. Additional steps not called for in criteria shall **NOT** be penalized as sequence errors.
13. Omitted steps shall **NOT** be penalized as sequence errors.
14. Documentation by narrative is required on all steps awarded a "0" and on all skills failures.
15. Candidate shall **NOT** fail because of Examiner or assistant error.

SPINAL IMMOBILIZATION OF SEATED PATIENT GRADING CRITERIA

***1. Directs partner to establish and maintain neutral spinal alignment**

2 = Performs step

0 = Omits step

***2. Checks circulation, motor function, and sensation in all four extremities**

2 = Performs above criteria

0 = Does not perform criteria

***3. Applies extrication collar**

a. Explains procedure to patient

b. Applies proper size extrication collar

c. Secures extrication collar to maintain cervical spine immobilization

2 = Performs above criteria

1 = Omits "a"

0 = Does not provide adequate cervical spine immobilization due to improper application and/or size selection

***4. Positions short device**

a. Positions device properly on patient

b. Adjusts device without interfering with neutral cervical spine alignment

2 = Performs above criteria

1 = Requires more than 1 attempt to position device

0 = Omits step

Applies device improperly

Interferes with neutral cervical spine alignment

***5. Secure short device to patient's torso**

2 = Performs above step

0 = Omits step

***6. Secures short device to patient's head to assure neutral cervical spine alignment**

2 = Performs above criteria

0 = Does not meet criteria

***7. Checks circulation, motor function, and sensation in all four extremities**

2 = Performs above criteria

0 = Does not perform criteria

8. Performs steps 1-7 in sequence

2 = Performs above criteria

0 = Performs steps 1-7 in improper sequence

***9. Does not compromise airway or impede respirations**

2 = Performs as above

0 = Compromises airway or impedes respirations

10. Communicates

a. Communicates with patient

b. Communicates with partner

2 = Performs above criteria

1 = Omits "a"

0 = Omits "b"

SPINAL IMMOBILIZATION OF SUPINE PATIENT GRADING CRITERIA

***1. Directs partner to establish and maintain neutral spinal alignment**

2 = Performs step

0 = Omits step

***2. Checks circulation, motor function, and sensation in all four extremities**

2 = Performs above criteria

0 = Does not perform criteria

***3. Applies extrication collar**

a. Explains procedure to patient

b. Applies proper size extrication collar

c. Secures extrication collar to maintain cervical spine immobilization

2 = Performs above criteria

1 = Omits "a"

0 = Does not provide adequate cervical spine immobilization due to improper application and/or size selection

***4. Moves patient onto device without compromising integrity of spine**

2 = Performs above criteria

1 = Patient repositioned but done without compromising integrity of spine

0 = Patient manipulated or moved excessively, causing potential spinal compromise

***5. Secures patient to long device**

2 = Patient secured so that there is no excessive up, down or lateral movement

0 = Patient moves up, down or laterally so as to cause potential spinal compromise

***6. Checks circulation, motor function, and sensation in all four extremities**

2 = Performs above criteria

0 = Does not perform criteria

7. Performs steps 1-7 in sequence

2 = Performs above criteria

0 = Performs steps 1-7 in improper sequence

***8. Does not compromise airway or impede respirations**

2 = Performs as above

0 = Compromises airway or impedes respirations

9. Communicates

a. Communicates with patient

b. Communicates with partner

2 = Performs above criteria

1 = Omits "a"

0 = Omits "b"

SPINAL IMMOBILIZATION OF SEATED PATIENT

CANDIDATE=S NAME:		DATE:
__ ECA	__ EMT	__ EMTI
__ EMTP	SCHOOL #:	
__ INITIAL	__ RENEWAL	__ EQUIVALENCY
		__ RETEST
STATION TIME 10 MINUTES	START TIME:	END TIME

- 0 2 *1. Directs partner to establish and maintain neutral spinal alignment
- 0 2 *2. Checks circulation, motor function, and sensation in all four extremities
- 0 1 2 *3. Applies extrication collar
- 0 1 2 *4. Positions short device
- 0 2 *5. Secures short device to patient's torso
- 0 2 *6. Secures short device to patient's head to assure neutral cervical spine alignment
- 0 2 *7. Checks circulation, motor function, and sensation in all four extremities
- 0 2 8. Performs steps 1-7 in sequence
- 0 2 *9. Does not compromise airway or impede respirations
- 0 1 2 10. Communicates

_____ Candidate=s Total Points (minimum passing total: 14 points)	
Absolutes satisfied: _____ Yes _____ No (Must have at least one point for each step marked with an *)	_____ Pass _____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

SPINAL IMMOBILIZATION OF SUPINE PATIENT

CANDIDATE=S NAME:		DATE:
__ ECA	__ EMT	__ EMTI
__ EMTP	SCHOOL #:	
__ INITIAL	__ RENEWAL	__ EQUIVALENCY
		__ RETEST
STATION TIME 10 MINUTES	START TIME:	END TIME

- 0 2 *1. Directs partner to establish and maintain neutral spinal alignment.
- 0 2 *2. Checks circulation, motor function, and sensation in all four extremities
- 0 1 2 *3. Applies extrication collar
- 0 1 2 *4. Moves patient onto device without compromising integrity of spine
- 0 2 *5. Secures patient to long device
- 0 2 *6. Checks circulation, motor function, and sensation in all four extremities
- 0 2 7. Performs steps 1-7 in sequence
- 0 2 *8. Does not compromise airway or impede respirations
- 0 1 2 9. Communicates

_____ Candidate=s Total Points (minimum passing total: 13 points)	
Absolutes satisfied: _____ Yes _____ No (Must have at least one point for each step marked with an *)	_____ Pass _____ Fail
Examiner:	Cert. No. (if assigned):

Documenting Comments:

TRACTION SPLINTING

TIME ALLOWED FOR SKILLS PERFORMANCE - 10 MINUTES

PERFORMANCE OBJECTIVE

Given a traction splint and a human Apatient@, the team shall, within the allotted station time, apply the traction splint to immobilize a closed femur fracture in 10 minutes or less.

TESTING CONDITIONS

1. Examiner shall insure that station is conducted as a testing session and **NOT** as a teaching session.
2. The station shall test only the skill of Traction Splinting and shall **NOT** be conducted as a part of any other skill or scenario.
3. Each team shall be tested in private and one team at a time.
4. A non-candidate or a previously tested candidate **MUST** be used as the "patient." Examiner shall **NOT** be used as the "patient."
5. The patient shall **NOT** "cue" the candidates being examined but may assist to the extent that an actual patient would be able. The patient shall be cooperative.
6. Each team shall be instructed that they are being tested as individuals but that cooperation and communication with their partners are part of their individual scores.
7. Candidates **MUST** be tested on one of the types of splints listed in the AStation Equipment@ section.
8. The patient's shoe and sock **MUST** be removed before beginning the exam.
9. All fractures shall be mid-shaft with the leg straight. Coordinators should insure that candidates are trained in local procedures for management of situations where the fracture is angulated, the leg is bent at an odd angle, or the fracture is not at mid-shaft.
10. Examiner shall require candidate to take or verbalize body substance isolation precautions before station time begins.

STATION EQUIPMENT

1. A human Apatient@
2. Half Ring Splint (with necessary accessories)
Ratchet-action adjustable splint (with necessary accessories)
3. Watch or clock with reading in seconds

INSTRUCTIONS TO THE EXAMINER

1. The Course Coordinator, lead Instructor and Examiner are responsible for insuring the presence of all necessary equipment and also for insuring that all equipment is in working order prior to beginning the test session.
2. Examiner will **NOT** remove or hide equipment required to complete the skill.
3. Before the test session begins, the candidate shall be allowed to familiarize with the equipment. During this time Examiner shall answer any questions the candidate has about the equipment.
4. Scenarios must **NOT** be used except as indicated by the criteria.
5. Examiner shall prompt candidate **ONLY** as indicated by the criteria.
6. Examiner shall **RANDOMLY** assign each candidate his role in the team. This shall be done by having one of the candidates draw a position.
7. Station time shall begin immediately after Examiner finishes examination instructions and informs candidates to begin.
8. Examiner shall record starting and ending times in the appropriate section of score sheet.
9. Once a test session has begun, it must be completed within the allotted time with **NO** restarts allowed.
10. Station time shall **NOT** be restarted or extended for any reason.
11. If station time limit is exceeded, Examiner shall end the test, record skill as failure.
12. Sequence errors shall **NOT** be penalized unless specified by the grading criteria.
13. Documentation by narrative is required on all steps awarded a "0" and on all skills failures.
14. Candidate shall **NOT** fail because of Examiner error.

TRACTION SPLINTING GRADING CRITERIA

CANDIDATE PULLING TRACTION	CANDIDATE APPLYING SPLINT
<p>*1. Checks circulation, motor function, and sensation distal to injury before applying ankle hitch</p> <p>2 = Performs above criteria 1 = Checks after ankle hitch applied 0 = Does not check circulation, motor function, or sensation before pulling traction</p> <p>*2. Applies ankle hitch</p> <p>a. Applies so that pull is in line with long axis of leg b. Uses minimal manipulation</p> <p>2 = Performs above criteria 0 = Does not perform above criteria</p> <p style="text-align: center; margin-top: 20px;">(Candidate Pulling Traction continued on next page)</p>	<p>1. Prepares equipment</p> <p>a. Adjusts and secures splint to insure adequate length b. Adjusts cravats or velcro straps c. Places equipment within reach d. Releases ratchet, if applicable e. Opens ischial strap</p> <p>2 = Performs above criteria 1 = Cravats or straps not adjusted Equipment not within reach 0 = Ischial strap closed Splint measured or adjusted to an inappropriate length</p> <p>*2. Stabilizes fracture while ankle hitch applied</p> <p>a. Minimizes movement of leg during application of ankle hitch b. Does not apply pressure over fracture site sufficient to cause further injury</p> <p>2 = Performs above criteria 0 = Does not attempt stabilization Allows movement of leg or applies pressure over fracture site sufficient to cause further injury</p> <p style="text-align: center; margin-top: 20px;">(Candidate Applying Splint continued on next page)</p>

CANDIDATE PULLING TRACTION (Cont=d.)	CANDIDATE APPLYING SPLINT (Cont=d.)
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<p>*3. Applies and maintains traction, elevation and gentleness</p> <ul style="list-style-type: none"> a. Uses smooth action when pulling straight line traction b. Provides sufficient elevation to ease splint application c. Maintains traction until mechanical device provides equal or greater force and is secured d. Supports leg until cravats or straps are in place e. Ensures that splint remains elevated after device provides traction and support <p>2 = Performs above criteria 1 = Changes elevation frequently 0 = Releases traction before mechanical device tightened and secured Does not support leg after traction taken by mechanical device Foot is excessively rotated or extended after splinting Achieves traction insufficient to immobilize injury and/or support femur Allows movement likely to cause further injury Does not ensure elevation of splint</p> <p>(Candidate Pulling Traction continued on next page)</p>	<p>*3. Positions splint</p> <ul style="list-style-type: none"> a. Places ischial pad under ischium without excessive patient movement b. Places pad firmly against ischial tuberosity c. Aligns splint with leg <p>2 = Performs above criteria 0 = Places ischial pad improperly Allows excessive movement likely to cause further injury Does not align splint with leg</p> <p>4. Fastens ischial strap</p> <ul style="list-style-type: none"> a. Fastens before ankle hitch connected to frame b. Fastens tight enough to secure splint without impairing circulation c. Does not entrap genitalia <p>2 = Performs above criteria 1 = Fastens strap to loosely to secure splint Secures after ankle hitch connected to frame 0 = Does not fasten strap Entraps genitalia Fastens strap too tightly compromising circulation</p> <p>5. Connects hitch to frame</p> <ul style="list-style-type: none"> a. Connects hitch to frame b. Makes connection before cravats or velcro straps secured <p>2 = Performs above criteria 1 = Connects hitch before ischial strap is secured 0 = Connects hitch after cravats or velcro straps secured</p> <p>*6. Tightens mechanical device to achieve traction and immobilize injury</p> <ul style="list-style-type: none"> a. Tightens mechanical device to achieve traction and prevent movement b. Secures windlass across frame (if applicable) <p>2 = Performs above criteria 0 = Applies insufficient traction Does not secure windlass (if applicable)</p>
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CANDIDATE PULLING TRACTION (Cont=d.)	CANDIDATE APPLYING SPLINT (Cont=d.)
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***4. Monitors circulation, motor function, and sensation distal to injury after procedure is completed**

2 = Performs above criteria
0 = Does not perform above criteria

5. Communicates with partner & patient

- a. Informs partner and patient of his actions
- b. Attempts to correct errors made by partner

2 = Performs above criteria
1 = Communicates minimally with partner or patient with no serious errors resulting
0 = Does not communicate with partner or patient
Serious errors resulting from minimal communication

***7. Secure cravats or velcro straps without aggravating injury**

- a. Ties cravats and applies velcro so that leg is supported and secured
- b. Uses technique that does not further aggravate injury
- c. Pads any knots that may impede circulation

2 = Performs above criteria
1 = Omits Ab@ or Ac@
0 = Leg is not supported and/or secured
Uses technique likely to further aggravate injury

NOTE: Placing velcro straps over the fracture site does NOT constitute excessive pressure.

8. Verbalizes securing torso and splint to longboard to immobilize hip and prevent movement of splint

2 = Performs above criteria
0 = Does not perform above criteria

9. Communicates with partner & patient

- a. Informs partner and patient of his actions
- b. Attempts to correct errors made by partner

2 = Performs above criteria
1 = Communicates minimally with partner or patient with no serious errors resulting
0 = Does not communicate with partner or patient
Serious errors resulting from minimal communication

TRACTION SPLINTING

CANDIDATE=S NAME:				DATE:	
__ ECA		__ EMT		SCHOOL #:	
__ EMTI		__ EMTP			
__ INITIAL COURSE		__ RENEWAL		__ EQUIVALENCY	
				__ RETEST	
STATION TIME 10 MINUTES			START TIME:		END TIME

CANDIDATE PULLING TRACTION	CANDIDATE APPLYING SPLINT
0 1 2 *1. Checks circulation, motor function, and sensation distal to injury before applying ankle hitch	0 1 2 1. Prepares equipment
0 2 *2. Applies ankle hitch	0 2 *2. Stabilizes fracture while ankle hitch applied
0 1 2 *3. Applies and maintains traction, elevation, and gentleness	0 2 *3. Positions splint
	0 1 2 4. Fastens ischial strap
	0 1 2 5. Connects hitch to frame
	0 2 *6. Tightens mechanical device to achieve traction and immobilize injury
0 2 *4. Monitors circulation, motor function, and sensation distal to injury after procedure is completed	0 1 2 *7. Secures cravats or velcro straps without aggravating injury
	0 2 8. Verbalizes securing torso and splint to longboard to immobilize hip and prevent movement of splint
0 1 2 5. Communicates with partner & patient	0 1 2 9. Communicates with partner & patient
Minimum passing total: 7 points	Minimum passing total: 15 points

____ Candidate=s Total Points	Partner=s Name (Print):	
Absolutes satisfied: ____ Yes ____ No (Must have at least one point for each step marked with an *)		____ Pass ____ Fail
Examiner:	Cert. No. (if assigned):	

Documenting Comments: