

# TEXAS COMMISSION ON FIRE PROTECTION STRUCTURE FIRE SUPPRESSION

Performance Standards Evaluation

## VENTILATION #1

Horizontal and Vertical Ventilation

**Subject: Fireground Operations**

**Section 101**

**NFPA 1001 5.3.11, 5.3.12**

**Firefighter I**

### OBJECTIVE

Perform horizontal ventilation on a structure operating as part of a team, given an assignment, personal protective equipment, ventilation tools, equipment, and ladders, so that the ventilation openings are free of obstructions, tools are used as designed, ladders are correctly placed, ventilation devices are correctly placed, and the structure is cleared of smoke. (5.3.11)

Perform vertical ventilation on a structure as part of a team, given an assignment, personal protective equipment, ground and roof ladders, and tools, so that ladders are positioned for ventilation, a specified opening is created, all ventilation barriers are removed, structural integrity is not compromised, products of combustion are released from the structure, and the team retreats from the area when ventilation is accomplished. (5.3.12)

### INSTRUCTIONS: Procedures for achieving the objectives

You will perform (horizontal or vertical) ventilation on a structure as part of a team, given an assignment, personal protective equipment, ground and roof ladders, and tools, so that ladders are positioned for ventilation, a specified opening is created, all ventilation barriers are removed, structural integrity is not compromised, products of combustion are released from the structure, and the team retreats from the area when ventilation is accomplished. You will perform this skill in a safe and proficient manner. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

### EXAMINERS NOTE

If this skill is selected as a designated testing skill by TCFP, one of the below options will be assigned:

- Horizontal ventilation
- Vertical ventilation

Only the portions of the steps appropriate for the designated ventilation skill will be evaluated.

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

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# TEXAS COMMISSION ON FIRE PROTECTION STRUCTURE FIRE SUPPRESSION

## Performance Standards Evaluation

### PREPARATION & EQUIPMENT

Ventilation scenario

Ventilation prop

PPV or smoke ejector

Appropriate length and size of hose with nozzle

Tools as needed for the scenario (chain saw, axe, pike pole, etc.)

Roof ladder

Extension ladder

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" as required by the Texas Commission on Fire Protection to include, helmet, gloves, coat, trousers, boots, hood, and SCBA.

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# TEXAS COMMISSION ON FIRE PROTECTION STRUCTURE FIRE SUPPRESSION

Performance Standards Evaluation

## VENTILATION #1

Horizontal and Vertical Ventilation

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

School: \_\_\_\_\_

Test Site: \_\_\_\_\_

<b>Firefighter I</b>	<u>TEST</u>		<u>RETEST</u>	
<b>VENTILATION #1</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
Perform horizontal ventilation on a structure operating as part of a team, given an assignment, personal protective equipment, ventilation tools, equipment, and ladders, so that the ventilation openings are free of obstructions, tools are used as designed, ladders are correctly placed, ventilation devices are correctly placed, and the structure is cleared of smoke. (5.3.11)				
Perform vertical ventilation on a structure as part of a team, given an assignment, personal protective equipment, ground and roof ladders, and tools, so that ladders are positioned for ventilation, a specified opening is created, all ventilation barriers are removed, structural integrity is not compromised, products of combustion are released from the structure, and the team retreats from the area when ventilation is accomplished. (5.3.12)				
<b>Horizontal ventilation</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a. Transports and operates ventilation tools and equipment and ladders as required for scenario				
b. Uses safe procedures for breaking window and door glass and removing obstructions as required for scenario				
c. Performs skill in a safe and proficient manner				
<b>Vertical ventilation</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a. Transports and operates ventilation tools and equipment				
b. Selects, carries, deploys, and secures ground ladders for ventilation activities				
c. Deploys roof ladders on pitched roofs while secured				

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# TEXAS COMMISSION ON FIRE PROTECTION STRUCTURE FIRE SUPPRESSION

## Performance Standards Evaluation

to a ground ladder				
d. Sounds roof for integrity; <del>assures a clear opening with hand tools</del>				
e. Hoists or carries ventilation tools to a roof as required for scenario				
f. Cuts roofing and flooring materials to vent flat roofs, pitched roofs, and basements as required for scenario				
g. Ascends and descends ladders while carrying tools and equipment				
h. <del>Transports and operates ventilation tools and equipment</del> <b><u>Uses hand tools to clear ventilation opening as needed to release products of combustion</u></b>				
i. Performs skill in a safe and proficient manner, per AHJ				

**S = Satisfactorily completed/performed**

**U = Unsatisfactorily performed/failed to meet objective or grading step**

**Evaluator/Candidate Comments:**

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**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

_____	_____	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Certifying Examiner	Date	
Re-Test Certifying Examiner	Date	

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**TEXAS COMMISSION ON FIRE PROTECTION  
ARFF**

Performance Standards

**RESPONSE ARFF SKILL #5**  
Response-Responding to Incidents

**PERFORMANCE STANDARD**

**Section 200-5.2.1**

**NFPA 1003 5.2.1**

**ARFF**

**OBJECTIVE**

Respond to day and night incidents or accidents on and adjacent to the airport, given an assignment, operating conditions, a location, a grid map, a vehicle, and a prescribed response time, so that the route selected and taken provides access to the site within the allotted time.

**INSTRUCTIONS - procedures for achieving the objective**

You will read an airport map with grid marks and interpret correct actions to be taken in relation to the grid map. You will be able to identify an airport water distribution location on the grid map. You will also verbalize or identify airport markings and lights in regards to the response scenario given. You will be given \_\_\_\_\_ minutes to complete this exercise. Do you understand these instructions?

**EXAMINER NOTE:**

**This skill may not be simulated. Examinees must drive a response vehicle as part of the examination process.**

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing. Response time will be determined by AHJ and included in instructions above.

**PREPARATION & EQUIPMENT**

Airport map with grid markings  
A given scenario  
Vehicle

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**TEXAS COMMISSION ON FIRE PROTECTION  
ARFF**

Performance Standards

**RESPONSE ARFF SKILL #5**  
Response-Responding to Incidents

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Dept: \_\_\_\_\_

School: \_\_\_\_\_

Test Site: \_\_\_\_\_

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
<b>Response Skill Number 5</b>				
Respond to day and night incidents or accidents on and adjacent to the airport, given an assignment, operating conditions, a location, a grid map, a vehicle, and a prescribed response time, so that the route selected and taken provides access to the site within the allotted time.  (NFPA 1003 5.2.1)				
<b>The candidate will:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
1) find location given on airport grid map				
2) properly identify route to be taken				
<b>3) <u>drive response vehicle safely and proficiently</u></b>				
4) identify any hazards of route to be taken				
5) correctly identify the water distribution system location(s) on the airport grid map				
6) identify airport markings affecting the response				
7) identify airport lighting affecting the response				
8) complete all steps within the allotted time				

**Examiner/Candidate Comments:**

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**TEXAS COMMISSION ON FIRE PROTECTION**  
**ARFF**  
 Performance Standards

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**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

		Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
		Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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**TEXAS COMMISSION ON FIRE PROTECTION**  
**HAZARDOUS MATERIALS TECHNICIAN**  
Performance Standards

**Implementing the Planned Response**  
Decontamination Operations  
**Skill #14**

**PERFORMANCE STANDARD**

**Section 604**

**NFPA 472 7.4.5 (1), (2), (3); 7.5.2**

**TECHNICIAN**

**OBJECTIVE**

The hazardous materials technician shall demonstrate the ability to set up and implement the following types of decontamination operations:

- (1) Technical decontamination operations in support of entry operations
- (2) Technical decontamination operations involving ambulatory and non-ambulatory victims
- (3) Mass decontamination operations involving ambulatory and non-ambulatory victims

**Given an incident action plan for a scenario involving a hazardous materials/WMD incident, the hazardous materials technician shall evaluate the effectiveness of any decontamination procedures identified in the incident action plan.**

**INSTRUCTIONS - procedures for achieving the objective**

The technician, operating as a member of a team at a simulated hazardous materials incident, shall demonstrate how to perform technical and mass decontamination operations. You will be provided with the necessary equipment and water supply to set up and establish a technical contamination reduction corridor. After establishing a technical contamination reduction corridor, while wearing Level B chemical protective clothing (CPC) and a self-contained breathing apparatus (SCBA); you shall demonstrate the procedures to decontaminate responders and both ambulatory and non-ambulatory victims during a simulated hazardous materials incident. Working as part of a team you will establish a mass decontamination corridor and explain how the decontamination of both ambulatory and non-ambulatory victims will be conducted during a simulated mass casualty hazardous materials incident.

You will be graded as a team. You will begin on my instruction to start. The skill will end when you state or indicate to me that you have completed all the identified steps. Do you understand these instructions?

**EXAMINERS NOTE:**

The hazardous materials technician trainee will not be allowed to review the performance steps at the time of testing.

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**TEXAS COMMISSION ON FIRE PROTECTION**  
**HAZARDOUS MATERIALS TECHNICIAN**  
Performance Standards

**PREPARATION & EQUIPMENT**

1. **Sample Incident Action Plan**
2. Emergency Response and Hazardous Materials Response Equipment
3. Technical Decontamination Equipment
4. Mass Decontamination Equipment
5. Complete Level B CPC ensembles w/SCBAs
6. One technician in Level A CPC that has been “contaminated”  
    A dummy/manikin or a non responder victim to be decontaminated

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**TEXAS COMMISSION ON FIRE PROTECTION**  
**HAZARDOUS MATERIALS TECHNICIAN**  
 Performance Standards

**Implementing the Planned Response**  
 Decontamination Operations  
**Skill #14**

Candidate: \_\_\_\_\_ Date: \_\_\_\_\_

Academy: \_\_\_\_\_ Test Site: \_\_\_\_\_

HAZARDOUS MATERIALS TECHNICIAN	<u>TEST</u>		<u>RETEST</u>	
Implementing the Planned Response - Skill Number 14	S	U	S	U
The hazardous materials technician shall demonstrate the ability to set up and implement the following types of decontamination operations: (1) Technical decontamination operations in support of entry operations (2) Technical decontamination operations involving ambulatory and non-ambulatory victims (3) Mass decontamination operations involving ambulatory and non-ambulatory victims <span style="float: right;">(7.4.5)</span>				
<u>Given an incident action plan for a scenario involving a hazardous materials/WMD incident, the hazardous materials technician shall evaluate the effectiveness of any decontamination procedures identified in the incident action plan.</u> <span style="float: right;">(7.5.2)</span>				
<b>The candidate shall perform:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Technical decontamination operations in support of entry operations				
1. Properly locates Contamination Reduction Corridor upwind, uphill, and in warm zone				
2. Provides protective measure to protect the environment from contamination by constructing a large catch basin with plastic				
3. Sets up decon pools to contain decontamination solution run off				
4. Clearly marks entrance and exit access points				
5. Container available at entrance access point, in hot zone, for contaminated tools				

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**TEXAS COMMISSION ON FIRE PROTECTION  
HAZARDOUS MATERIALS TECHNICIAN**

Performance Standards

6. Container available in CRC for contaminated CPC				
7. Establishes suit removal area with suitable seating next to cold zone and takes precautions to eliminate contamination				
8. Establishes water supply				
9. Provides water to each decon pool area (i.e. garden hose)				
10. Provides brushes for decon pool(s)				
11. Mixes proper decon solution for use				
b) Decontaminates a Technician				
1. Instructs technician to put tools in tool drop container				
2. Performs gross decontamination and wash at first decon pool to remove as much contamination as possible				
3. Performs wash/rinse at subsequent decon pool(s)				
4. Assist technician with CPC removal in doffing area				
5. Places contaminated CPC in proper drum				
6. Removes SCBA				
7. Instructs technician to move to medical evaluation area				
8. <b><u>Determines the effectiveness of the decontamination procedures by utilizing the three methods for assessing and the control of the on-scene personnel and operations.</u></b>				
c) Technical decontamination operations involving ambulatory and non-ambulatory victims				
1. Transfer victim to emergency decontamination area				
2. Flush victim with copious amounts of water				
3. Remove outer layers of clothing				
4. Flush victim with copious amounts of water				
5. Remove victims respiratory protection if worn				
6. Cover with clean sheet				
7. Transfer care to EMS				
8. Transfer information regarding the name of the known or possible chemical hazard exposure				
9. <b><u>Determines the effectiveness of the decontamination procedures by utilizing the three methods for assessing and the control of the on-scene personnel and operations.</u></b>				
d) Mass decontamination operations involving				

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**TEXAS COMMISSION ON FIRE PROTECTION**  
**HAZARDOUS MATERIALS TECHNICIAN**  
 Performance Standards

ambulatory and non-ambulatory victims				
1. Establishes a mass decontamination corridor in accordance with local protocols				
2. Establishes patient triage and treatment areas for both ambulatory and non-ambulatory victims				
3. Explains the mass decontamination process				
e) Conducts all decontamination operations while wearing full Level B liquid splash protective CPC				

**Evaluator/Candidate Comments:**

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**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

\_\_\_\_\_  
 Certifying Examiner

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Re-Test Certifying Examiner

\_\_\_\_\_  
 Date

Overall Skill Sheet Score
Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score
Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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**TEXAS COMMISSION ON FIRE PROTECTION  
HAZARDOUS MATERIALS TECHNICIAN**

Performance Standards

**General**

Terminating the Incident

**Skill #15**

**PERFORMANCE STANDARD**

**Section 604**

**NFPA 472 7.1.2.2 (5)**

**TECHNICIAN**

**OBJECTIVE**

In addition to being competent at both the awareness and operational levels, the hazardous materials technician shall be able to perform the following tasks:

(5) Terminate the incident by completing the following tasks:

- Assist in the incident debriefing
- Assist in the incident critique
- Provide reports and documentation of the incident

**INSTRUCTIONS - Procedures for achieving the objective**

Immediately upon completion of a simulated hazardous materials/WMD incident or scenario involving a facility or transportation setting, the technician shall conduct a debriefing of the incident. Additionally, after returning all equipment to service, the technician shall conduct a critique of the incident/scenario in a classroom environment. The technician will ensure that all incident documentation is thoroughly completed in accordance with local, state and federal requirements. You will begin on my instruction to start. Do you understand these instructions?

**EXAMINER NOTE**

The hazardous materials technician trainee will not be allowed to review the performance steps at the time of testing.

**PREPARATION & EQUIPMENT**

Simulated hazardous materials/WMD incident or scenario involving a facility or transportation setting

Incident action plan

Site safety plan

Other incident documents

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**TEXAS COMMISSION ON FIRE PROTECTION  
HAZARDOUS MATERIALS TECHNICIAN**

Performance Standards

**General**

Terminating the Incident

**Skill #15**

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Dept: \_\_\_\_\_

School: \_\_\_\_\_

Test Site: \_\_\_\_\_

Examiner: \_\_\_\_\_

<b>HAZARDOUS MATERIALS TECHNICIAN</b>	<u>TEST</u>		<u>RETEST</u>	
<b>General - Skill Number #15</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
In addition to being competent at both the awareness and operational levels, the hazardous materials technician shall be able to perform the following tasks: (5) Terminate the incident by completing the following tasks: <ul style="list-style-type: none"> <li>• Assist in the incident debriefing</li> <li>• Assist in the incident critique</li> <li>• Provide reports and documentation of the incident</li> </ul> <p style="text-align: right;">(7.1.2.2(5))</p>				
<b>The trainee shall:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Conduct a debriefing				
1. Provide health and exposure information to responders				
2. Identify equipment, apparatus and supply status				
3. Identify a follow-up contact person for informational matters				
4. Identify problems requiring immediate action				
b) Conduct a critique				
1. Review emergency response timeline				
2. Identify weaknesses in the response activity				
3. Identify strengths in the response activity				
4. Develop recommendations for improving emergency response				

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**TEXAS COMMISSION ON FIRE PROTECTION**  
**HAZARDOUS MATERIALS TECHNICIAN**  
 Performance Standards

c) Complete all incident reports and documentation <ul style="list-style-type: none"> <li>• Local requirements</li> <li>• State requirements</li> <li>• Federal requirements</li> </ul>				
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**Evaluator/Candidate Comments:**

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**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

	Date	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 5px;">Overall Skill Sheet Score</td> </tr> <tr> <td style="padding: 5px;">Pass <input type="checkbox"/></td> <td style="padding: 5px;">Fail <input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="padding: 5px;">Overall Skill Sheet Re-Test Score</td> </tr> <tr> <td style="padding: 5px;">Pass <input type="checkbox"/></td> <td style="padding: 5px;">Fail <input type="checkbox"/></td> </tr> </table>	Overall Skill Sheet Score		Pass <input type="checkbox"/>	Fail <input type="checkbox"/>	Overall Skill Sheet Re-Test Score		Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Score										
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>									
Overall Skill Sheet Re-Test Score										
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>									
	Date									

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**TEXAS COMMISSION ON FIRE PROTECTION**  
**Pump Operator**  
Performance Standards

**Skill Number 10**  
**Operations-Producing Effective Streams at Draft**

**PERFORMANCE STANDARD**

**Section 700-5.2.1**

**NFPA 1002- 5.2.1, 5.2.2, 5.2.4**

**Driver/Operator**

**OBJECTIVE**

Produce effective hand or master streams, given the sources specified in the following list, so that the pump is engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems:

- (1) Internal tank
- (2) Pressurized source
  - a) Connection to a hydrant
  - b) Supply line from another pumping source
- (3) Static source
- (4) Transfer from internal tank to external source

**INSTRUCTIONS - procedures for achieving the objective**

Given a scenario, a fire department pumper with the necessary equipment for the given scenario, the Driver/Operator-Pumper candidate shall properly position, connect, and perform a pumping operation from a pressurized water source or a draft from a static water source.

**EXAMINER NOTE:**

The Driver/Operator – Pumper candidate will not be allowed to review the performance steps at the time of testing. The Examiner shall provide a scenario that requires the examinee to choose either master or hand stream and either pump from draft using a static water source or pump from a pressurized water source.

**PREPARATION & EQUIPMENT**

Fire department pumper  
Internal tank  
Static water source  
Pressurized water source

**TEXAS COMMISSION ON FIRE PROTECTION**  
**Pump Operator**  
Performance Standards

Candidate: \_\_\_\_\_ Notes: \_\_\_\_\_

Dept: \_\_\_\_\_

School: \_\_\_\_\_

Test Site: \_\_\_\_\_

Skill Number 10	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Produce effective hand or master streams given the sources specified in the following list, so that the pump is engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems (1) Internal tank (2) Pressurized source a) Connection to a hydrant b) Supply line from another pumping source (3) Static source (4) Transfer from internal tank to external source (700-5.2.1)				
<b>The candidate:</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>U</b>
a) Position a fire department pumper to operate at a fire hydrant or at a static water source				
b) The pump is engaged and all pressure control and vehicle safety devices are set				
c) Directs the assembly of hose lines, nozzles, valves, and appliances.				
d) The rated flow of the nozzle is achieved and maintained				
e) The apparatus is continuously monitored for potential problems				
f) Power transfer from vehicle engine to pump or draft as required by scenario				
g) Operate pumper pressure control systems				
h) Operate the volume/pressure transfer valve as required by scenario (multistage pumps only)				
i) Operate auxiliary cooling systems as required by scenario				

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**TEXAS COMMISSION ON FIRE PROTECTION**  
**Pump Operator**  
 Performance Standards

j) Make the transition between internal and external water sources as required by scenario				
k) Performed entire operation safely				

**Examiner/Candidate Comments:**

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**All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.**

\_\_\_\_\_  
 Certifying Examiner

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Re-Test Certifying Examiner

\_\_\_\_\_  
 Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>

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