



State Firefighters' and Fire Marshals' Association of Texas

Texas Volunteer Firefighters' and Fire Marshals' Certification Board

PO Box 1409 ♦ Manchaca, Texas 78652-1409 ♦ 512.453.1876 (fax)

www.sffma.org ♦ 512.454.3473 (phone)

NFPA 472 – Hazardous Materials: Technician (2013 Edition)

Performance Standards Evaluation Form

Containing Motor Carrier (MC)-306/

Department of Transportation (DOT)-406 Dome Leaks

Competencies: 7.4.3(8)

Objective(s)

Given a Motor Carrier (MC)-306/Department of Transportation (DOT)-406 cargo tank, the candidate will demonstrate the ability to install the clamp on the dome.

Candidate Instructions

Evaluator must read the following, verbatim, to the candidate:

“You will be presented with an MC-306/DOT-406 cargo tank that is leaking a product from one of its dome covers. You will gather the necessary equipment and control the leak. 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 have any questions?”

Evaluator Instructions

Read the Candidate Instructions verbatim to the candidate and give them an opportunity to ask questions prior to beginning the skill test. The candidate will not be allowed to view the skill sheet once testing begins. After the question opportunity, prepare your stopwatch and instruct the candidate to begin the skill. While the candidate is performing the skill test, observe whether they perform each of the line items and mark the skill sheet appropriately.

Grading Instructions

When filling out forms, be sure to use candidates' first and last names. In order for a candidate to receive credit for a line item, you must correctly circle the appropriate grade/points for each line item on the skill sheet. Earned scores for all line items are either full credit or zero credit; no partial credit is allowed. Note the candidate's status under Initial Test Notes and give it to the lead instructor.

Failure/Remediation Instructions

If the candidate has failed the initial test and needs to retest, the lead instructor will need to remediate the candidate and have them sign the Retest Information Statement on the skill sheet prior to retesting. Allow the candidate time to practice before retesting. Failed skills must be fully documented in the Notes sections of the skill sheet.

Preparation and Equipment

Evaluation materials:

- 1 MC-306/DOT-406 cargo tank laying on its side
- 1 cargo tank dome cover training simulator
- 1 dome cover clamp
- 1 Lower Explosive Limit (LEL) monitor
- 1 complete set of grounding equipment:
 - Ground rod (5 feet [1.52 meters] minimum)
 - Ground clamps (aircraft grounding clamps and three-pin contact)
 - Grounding cable (1/8 inch [0.32 centimeters] stainless steel or 8 American Wire Gauge [AWG] minimum)
 - Non-sparking hammer



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Competencies: 7.4.3(8)

Evaluation Location:		Date:
Evaluator 1 Name:	Retest Evaluator 1 Name:	
Evaluator 1 Signature:	Retest Evaluator 1 Signature:	
Evaluator 2 Name:	Retest Evaluator 2 Name:	
Evaluator 2 Signature:	Retest Evaluator 2 Signature:	
Evaluators may not evaluate a skill if a conflict of interest exists. A conflict may be defined as an interest that affects, or appears likely to affect the judgment or conduct of an individual associated with the skills testing process. An evaluator may not participate in the skills testing process for an immediate family member, classmate, or if the evaluator was the class instructor for the skill.		

Skill Performance Criteria: Containing Motor Carrier (MC)-306/ Department of Transportation (DOT)-406 Dome Leaks

Appropriate PPE	Initial Test		Retest	
Verbalizes appropriate Personal Protective Equipment (PPE)	Pass	Fail	Pass	Fail
Approaches Safely	Initial Test		Retest	
Approaches cargo tank or simulator in a safe manner	Pass	Fail	Pass	Fail
a. Verbalizes requesting a blanket of foam on product				
b. Verbalizes approaching upwind and uphill				
c. Verbalizes monitoring percent LEL				
Conducts Bonding and Grounding	Initial Test		Retest	
Attaches bond clamp and cable to welded area on cargo tank or simulator	Pass	Fail	Pass	Fail
Uses non-sparking hammer to drive ground rod into ground; verbalizes that ground rod is in the cold zone	Pass	Fail	Pass	Fail
Attaches grounding cable to ground rod	Pass	Fail	Pass	Fail
Performs above steps in proper sequence before touching damaged container	Pass	Fail	Pass	Fail
Contains Leak Using Dome Cover Clamp	Initial Test		Retest	
Applies dome cover clamp properly	Pass	Fail	Pass	Fail
Tightens dome cover clamp	Pass	Fail	Pass	Fail
Checks to see if leak is controlled and uses wedges or repositions clamp, if necessary	Pass	Fail	Pass	Fail
Overall Performance Rating: (Pass = must correctly perform all Pass/Fail items)	Pass	Fail	Pass	Fail

<p>Initial Test Notes:</p>	<p>RETEST INFORMATION It is very important that you, as an examinee, understand the number of attempts allowed on the performance skills examination. You are allowed only one retest for each failed skill station.</p>
<p>Retest Notes:</p>	<p>I, _____, have read and understand the above information on retesting.</p> <p><input type="checkbox"/> I have received sufficient retraining and remediation.</p> <p>_____ Signature _____ Date</p>