

LAST NAME: \_\_\_\_\_ C# \_\_\_\_\_

Skill Card 1 of 6

**BALTIMORE COUNTY FIRE RESCUE ACADEMY  
ENGINE FADO PRACTICAL EXAM**

**Drafting Operation Skill Card**

- Failure to complete all grey items and an overall of 11 total points will result in an incomplete for this skill.

<b>SKILLS</b>	<b>PERFORMED</b>	<b>NOT PERFORMED</b>	<b>COMMENTS</b>
Positions engine appropriately for drafting operation			
Sets parking brake & chocks wheel			
Ensure intakes, discharges & drains are closed & fittings are tightened			
Connect hard sleeve to pumper with strainer			
Place engine in pump gear			
Increase RPM's to about 1200			
Obtain draft			
Flow water & maintain draft			
Shut line down & continue to circulate water			
<b>13 Total possible points: 11 are required to pass **GREY ITEMS MUST BE PERFORMED**</b>			<b>TOTAL POINTS</b>

Instructors and field personnel are only to intervene when issues of safety arise. Candidates are not to ask questions or ask for assistance once evaluation begins

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Skill Card 2 of 6

**BALTIMORE COUNTY FIRE RESCUE ACADEMY  
ENGINE FADO PRACTICAL EXAM**

**FDC/Sprinkler Connection Skill Card**

- Evaluator will inform candidate if scenario is FDC or Sprinkler prior to start of evaluation
- Failure to complete all grey items and an overall of 4 total points will result in an incomplete for this skill.

SKILLS	PERFORMED	NOT PERFORMED	COMMENTS	
Position apparatus within 100ft of FDC				
Sets parking brake & chocks wheels				
Check the FDC/Sprinkler connection for obstructions				
Attach two 3" lines to FDC/sprinkler connection and apparatus				
<b>7 Total possible points: 4 are required to pass **GREY ITEMS MUST BE PERFORMED**</b>			<b>TOTAL POINTS</b>	

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*Any check under not performed requires documentation by the evaluator*

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Skill Card 6 of 6

**BALTIMORE COUNTY FIRE RESCUE ACADEMY  
ENGINE FADO PRACTICAL EXAM**

**Transition From Tank to Hydrant Operations Skill Card**

- Failure to complete all grey items and an overall of 11 total points will result in an incomplete for this skill.
- Candidate will inform evaluator of tank size prior to start of evaluation.

SKILLS	PERFORMED	NOT PERFORMED	COMMENTS
Park engine 100-200ft from hydrant, use a 200 ft 1 ¾' hand line with nozzle set at: ___ 95gpm/500gal tank @130psi ___ 150gpm/750gal tank @170 psi ___ 200gpm/1000gal tank @200psi			
Set parking brake & place engine in pump gear			
Set wheel chocks			
Place hand line in service @ designated pressure			
Set relief valve			
Hand jack LDH from engine to hydrant			
Connect LDH to engine & hydrant with Humat			
Connect ball valve to hydrant – 2 <sup>nd</sup> ball valve optional			
Charge LDH			
Change over from tank to hydrant without significant pressure change (increase or decrease)			
Fill tank while continuing to flow water			
Place a 2 <sup>nd</sup> handline in service and pump at appropriate pressure			
<b>14 Total possible points: 10 are required to pass **GREY ITEMS MUST BE PERFORMED**</b>			<b>TOTAL POINTS</b>

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C# \_\_\_\_\_

Skill Card 5 of 6

**BALTIMORE COUNTY FIRE RESCUE ACADEMY  
ENGINE FADO PRACTICAL EXAM  
Foam Operation Skill Card - Midget/Eductor**

- Candidate will perform one operation and verbalize the other operation
- Failure to complete all grey items and an overall of 6 total points from each section will result in an incomplete for this skill.

SKILLS	PERFORMED	NOT PERFORMED	COMMENTS
Apply brakes, place in pump gear, chock wheels	<b>FOAM MIDGET</b>		
Attach midget to 2 ½ intake/suction			
Connect 1 ½ hose from discharge to the midget			
Insert pick-up tube into foam container			
Set meter valve to proper setting			
Flow foam			
?			
Apply brakes, place in pump gear, chock wheels	<b>FOAM EDUCTOR</b>		
Uses compatible nozzle & eductor			
Put the eductor on discharge			
Put hose line on eductor			
Insert pick-up tube into foam container			
Set proper foam percentage			
Flow water, change to foam, change back to water			
<b>16 Total possible points: 6 required to pass from each section GREY ITEMS: CRITICAL POINTS &amp; MUST BE PERFORMED</b>	<b>TOTAL POINTS</b>		

**\*\*\*Evaluators are to complete both sides of this form\*\*\*** \_\_\_\_\_

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Skill Card 3 of 6

**BALTIMORE COUNTY FIRE RESCUE ACADEMY  
ENGINE FADO PRACTICAL EXAM**

**Heavy Water Hook Up Skill Card**

- Upon engine arrival, Humat is already attached to uncharged hydrant with dry LDH leading to fireground.
- Failure to complete all grey items and will result in an incomplete for this skill.

SKILLS	PERFORMED	NOT PERFORMED	COMMENTS
Connect LDH from front Humat discharge to intake on engine			
Connect LDH from engine discharge to Humat intake			
Use 1 (or 2) ball valves on hydrant			
Connect hose from ball valve(s) to engine intake			
<b>Failure to complete all grey items will result in an incomplete GREY ITEMS: CRITICAL POINTS &amp; MUST BE PERFORMED</b>			<b>TOTAL POINTS</b>

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Skill 4 of 6

## **BALTIMORE COUNTY FIRE RESCUE ACADEMY**

### **Engine FADO Calculation Questions**

The applicant may use the pump chart to answer these questions.

Tactical #8 should also be used as study material.