



# Pump Operator

## Skills Evaluation Sheets NFPA 1002 2014 Edition

STATE OF CONNECTICUT  
COMMISSION ON FIRE PREVENTION AND CONTROL  
860-627-6363  
In-State Toll Free - 1-877-528-3473







State of Connecticut

COMMISSION ON FIRE PREVENTION AND CONTROL



## Pump Operator Evaluation Skill Sheet

SS#	Skill Sheet Title	NFPA 1002 Objectives Addressed 2014 Edition
5.1.1A	Preventive Maintenance (Specific)	5.1.1(A)(B)
5.2.1A	Produce Effective Streams – Internal Tank	5.2.1(A)(B)
5.2.1B	Produce Effective Streams – Pressurized Source	5.2.1(2) (A)(B)
5.2.1C	Produce Effective Streams – Static Source	5.2.1(3) (A)(B)
5.2.1D	Produce Effective Streams – Transfer from Internal Tank to External Source	5.2.1(4) (A)(B)
5.2.2A	Relay Pumping	5.2.2(A)(B)
5.2.3A	Foam Fire Streams	5.2.3(A)(B)
5.2.4A	Supply Water to Fire Sprinkler and Standpipe Systems	5.2.4(A)(B)

NFPA 1002, 2014 edition 1/1/15



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**Driver/Operator - Pump**



<b>Skill Sheet #:</b> 5.1.1A	<b>Primary Task:</b> Preventive Maintenance (Specific)		
Objective(s) : 5.1.1(A)(B)	NFPA Standard: 1002	Candidate #	
<b>Performance Evaluation Sheet</b>			
<b>Tasks:</b>			
		<b>1st</b>	<b>2nd</b>
1.	Performs competencies associated to Skill Sheet 4.2.1A - Preventive Maintenance		
2.	* Verifies operational status of water tank and levels of other extinguishing agents given FD vehicle, its manufacturer's specifications and policies/procedures of jurisdiction		
3.	* Verifies operational status of pumping systems given FD vehicle, its manufacturer's specifications and policies and procedures of jurisdiction		
4.	* Verifies operational status of foam systems given FD vehicle, its manufacturer's specifications and policies and procedures of jurisdiction		
5.	Demonstrates use of diagnostic hand tools (mechanic's tools) to recognize system problems and correct deficiencies noted according to policies and procedures		
* Critical Task	Failure of this task mandates failure on the entire objective	Safety is <b>PARAMOUNT</b>	Total number tasks candidate must complete to pass <b>4</b>

1/1/15

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**Driver/Operator - Pump**



<b>Skill Sheet #:</b> 5.2.1A	<b>Primary Task:</b> Produce Effective Streams - Internal Tank		
Objective(s) : 5.2.1(A)(B)	NFPA Standard: 1002	Candidate #	
<b>Performance Evaluation Sheet</b>			
<b>Tasks:</b>			
		<b>1st</b>	<b>2nd</b>
1. Identifies objective and positions vehicle properly			
2. * Sets vehicle in position with safety equipment			
3. * Transfers vehicle from road to pump (as applicable)			
4. * Engages pump			
5. Properly sets transfer valve (as applicable)			
6. Opens tank suction valve			
7. Opens discharge valve			
8. Sets throttle speed properly			
9. * Sets pressure control device properly			
10. Operates Auxillary Cooling System properly			
* Critical Task	Failure of this task mandates failure on the entire objective	Safety is <b>PARAMOUNT</b>	Total number tasks candidate must complete to pass <b>7</b>

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**Driver/Operator - Pump**

<b>Skill Sheet #:</b> 5.2.1B	<b>Primary Task:</b> Produce Effective Streams - Pressurized Source		
Objective(s) : 5.2.1(2) (A)(B)	NFPA Standard: 1002	Candidate #	
<b>Performance Evaluation Sheet</b>			
<b>Tasks:</b>			
		<b>1st</b>	<b>2nd</b>
1. Identifies objective and positions vehicle properly			
2. * Sets vehicle in position with safety equipment			
3. * Transfers vehicle from road to pump (as applicable)			
4. * Checks and connects to pressurized source			
5. Adjusts supply line from pressurized source to pump			
6. Notes and verbalizes static pressure			
7. Opens discharge valve			
8. Sets throttle speed properly			
9. * Sets pressure control device properly			
10. Operates Auxillary Cooling System properly			
* Critical Task	Failure of this task mandates failure on the entire objective	Safety is <b>PARAMOUNT</b>	Total number tasks candidate must complete to pass <b>7</b>

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**Driver/Operator - Pump**



<b>Skill Sheet #:</b> 5.2.1C	<b>Primary Task:</b> Produce Effective Streams - Static Source	
Objective(s) : 5.2.1(3) (A)(B)	NFPA Standard: 1002	Candidate # <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span>
<b>Performance Evaluation Sheet</b>		
<b>Tasks:</b>		
	<b>1st</b>	<b>2nd</b>
1. Identifies objective and positions vehicle properly		
2. * Sets vehicle in position with safety equipment		
3. * Transfers vehicle from road to pump (as applicable)		
4. * Connects drafting appliances and equipment		
5. * Maneuvers appliances and equipment into proper position		
6. Utilizes priming device fully and properly		
7. Opens discharge valve		
8. Sets throttle speed properly		
9. * Sets pressure control device properly		
10. Operates Auxillary Cooling System properly		
* Critical Task	Failure of this task mandates failure on the entire objective	Safety is <b>PARAMOUNT</b>
		Total number tasks candidate must complete to pass
		<b>7</b>

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**Driver/Operator - Pump**



<b>Skill Sheet #:</b> 5.2.1D	<b>Primary Task:</b> Produce Effective Streams - Transfer from Internal Tank to External Source	
Objective(s) : 5.2.1(4) (A)(B)	NFPA Standard: 1002	Candidate # <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span>
<b>Performance Evaluation Sheet</b>		
<b>Tasks:</b>		
	<b>1st</b>	<b>2nd</b>
1. Identifies objective and positions vehicle properly		
2. * Sets vehicle in position with safety equipment		
3. * Transfers vehicle from road to pump (as applicable)		
4. * Engages pump		
5. Opens tank suction valve		
6. Opens discharge valve and flows water from internal tank		
7. Connects to external source properly		
8. * Switches to external source		
9. * Adjusts throttle speed properly		
10. * Sets pressure control device		
11. Operates Auxillary Cooling System properly		
* Critical Task	Failure of this task mandates failure on the entire objective	Safety is <b>PARAMOUNT</b>
		Total number tasks candidate must complete to pass
		<b>8</b>

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<b>Skill Sheet #:</b> 5.2.2A	<b>Primary Task:</b> Relay Pumping	
Objective(s) : 5.2.2(A)(B)	NFPA Standard: 1002	Candidate # <span style="border: 1px solid black; display: inline-block; width: 40px; height: 15px;"></span>
<b>Performance Evaluation Sheet</b>		
<b>Tasks:</b>		
	<b>1st</b>	<b>2nd</b>
1. Identifies objective and positions vehicle properly for relay pumping to another vehicle		
2. * Sets vehicle in position with safety equipment		
3. * Transfers vehicle from road to pump (as applicable)		
4. Establishes water supply from static or pressurized water source		
5. Selects and connects appropriate size supply hose for relay pumping based on scenario		
6. * Engages pump		
7. Opens discharge valve		
8. Bleeds air from hose line (as applicable)		
9. Connects to external source properly		
10. * Opens intake valve		
11. * Increases throttle and provides proper pressure/flow to the next pump		
12. * Sets pressure control device		
13. Operates Auxillary Cooling System properly		
14. Indicates desired flow and intake pressure for correct pressure and flow to next pump		
* Critical Task	Failure of this task mandates failure on the entire objective	Safety is <b>PARAMOUNT</b>
		Total number tasks candidate must complete to pass
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**Driver/Operator - Pump**



<b>Skill Sheet #: 5.2.3A</b>		<b>Primary Task: Foam Fire Streams</b>	
Objective(s) : 5.2.3(A)(B)		NFPA Standard: 1002	Candidate # <span style="border: 1px solid black; display: inline-block; width: 40px; height: 20px;"></span>
<b>Performance Evaluation Sheet</b>			
<b>Tasks:</b>			
		<b>1st</b>	<b>2nd</b>
1.	Identifies objective and positions vehicle properly for foam operations		
2.	* Sets vehicle in position with safety equipment		
3.	* Transfers vehicle from road to pump (as applicable)		
4.	Establishes water supply from static or pressurized water source		
5.	* Engages pump		
4.	Deploys appropriate hose line or master stream device		
5.	* Sets foam producing equipment		
6.	Opens discharge valve		
7.	Increases throttle to provide proper pressure		
8.	* Flows proportioned foam and water mixture		
9.	* Sets pressure control device		
10.	Operates Auxillary Cooling System properly		
* Critical Task	Failure of this task mandates failure on the entire objective	Safety is <b>PARAMOUNT</b>	Total number tasks candidate must complete to pass <b>7</b>

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**Driver/Operator - Pump**

<b>Skill Sheet #:</b> 5.2.4A	<b>Primary Task:</b> Supply Water to Fire Sprinkler and Standpipe Systems		
Objective(s) : 5.2.4(A)(B)	NFPA Standard: 1002	Candidate #	
<b>Performance Evaluation Sheet</b>			
<b>Tasks:</b>			
		<b>1st</b>	<b>2nd</b>
1.	Identifies objective and positions vehicle properly for fire sprinkler or standpipe operations		
2.	* Sets vehicle in position with safety equipment		
3.	Establishes water supply from static or pressurized water source		
4.	* Engages pump		
5.	Deploys appropriate equipment, supply line and/or hose line devices for proper operations		
6.	Connects appropriate equipment for fire sprinkler and/or standpipe operations		
7.	Opens discharge valve		
8.	Increases throttle to provide proper pressure		
9.	* Flows water at appropriate pressure for operation		
10.	* Sets pressure control device		
11.	Operates Auxillary Cooling System properly		
* Critical Task	Failure of this task mandates failure on the entire objective	Safety is <b>PARAMOUNT</b>	Total number tasks candidate must complete to pass <b>8</b>

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