



New Hampshire Department of Safety
Division of Fire Standards and Training and Emergency Medical Services
33 Hazen Drive, Concord, NH 03305 1-800-371-4503 or 603-223-4200 FAX: 603-271-1091

FIRE STANDARDS AND TRAINING COMMISSION

CURRICULUM DEVELOPMENT AND APPROVAL GUIDE

Driver Operator All Vehicle NFPA 1002 2017

Approved by the New Hampshire Fire Standards and Training Commission

Commission Approval

Date:

9/5/19

Curriculum Information Sheet

Name of Certification:
(including NFPA Standard)

Standard for Fire Apparatus Driver/Operator All Vehicles

NFPA Standards #: 1002 Edition Date: 2017 Next Edition: 2022

Type of Certificate:

NH Certification: x Pro-Board Certified
Certificate of Attendance:

Curriculum Committee
Approval

Yes

June 6, 2019

Date:

Proboard/Certification
requirements:

*Please attached all job sheets
and NFPA matrix*

Question bank validation: Pending
Number of exam questions: 50
Job Sheets updated and formatted: Yes
NFPA Matrix: Pending

Reference Material for Students:
Include edition numbers

IFSTA Essentials of Firefighting 7th Edition CHP 2 Communications
IFSTA Pumping and Aerial Driver/Operator Handbook 3rd Edition

Class Size:

Min:

8

Max:

16

Number of Hours:

24

Module Breakdown:

<u>1 Understanding Emergency Vehicles</u>	Hours:	<u>4</u>
<u>2 Emergency Vehicle Maintenance</u>	Hours:	<u>4</u>
<u>3 Driving and Operating Emerg. Vehicles</u>	Hours:	<u>4</u>
<u>4 Skill Drills</u>	Hours:	<u>8</u>
<u>5 Traffic Incident management</u>	Hours:	<u>4</u>

Prerequisites:

Valid Driver's License

Requirements for Testing:

Successful completion of all training requirements

What type of factor determines
successful completion:

Attach sample schedule of proposed training program:

Yes x No

Attach roster of all visiting committee members

Yes x No

Public Hearing Dates Daytime: _____
60 day comment period window

Evening: _____

Please attach all public comment material to this document

Preliminary Commission
Approval

J. Thors

Date:

6/6/19

Driver Operator – All Vehicles

The Fire Standards and Training Commission is seeking public comment on the following revision of the Driver Operator – All Vehicle NFPA 1002 program.

The proposed program recommends little change to the existing program. Below is a highlight of the changes.

- **NFPA Standard Changes:**
 - Section 4.4, Fire Department Communications, expanded to address telephone & radio communications
- **Program Changes**
 - Added content to address telephone communications and added content to enhance radio communications
 - Modified delivery format to decrease lecture and increase hands-on & small group activities
 - Revised & Re-ordered course outline to account for delivery format changes
 - Revised Skill Sheets for certification testing

Public Hearings held: July 19, 2019 at 3:00PM and 5:00PM

- **Public Hearing Information attached**

Public comment period June 17, 2019 through August 16, 2019.

- **There were no public comments submitted**

Driver / Operator – All Vehicles Sample Course Schedule

Day Delivery

Day 1	0800-1200	Module 1: Understanding Emergency Vehicles	All Students
	1230-1630	Module 2: Maintaining Emergency Vehicles	
Day 2	0800-1200	Traffic Incident Management	All Students
	1230-1630	Module 3: Driving & Operating Emergency Vehicles	
Day 3A	0800-1630	Module 4: Skill Drills	Group A
Day 3B	0800-1630	Module 4: Skill Drills	Group B

Exam	0800-1200	Written & Practical Skills Exam	Group A
	1230-1630		Group B

Evening Delivery

Night 1	1800-2200	Module 1: Understanding Emergency Vehicles	All Students
Night 2	1800-2200	Module 2: Maintaining Emergency Vehicles	All Students
Night 3	1800-2200	Traffic Incident Management	All Students
Night 4	1800-2200	Module 3: Driving & Operating Emergency Vehicles	All Students
Day 1A	0800-1630	Module 4: Skill Drills	Group A
Day 1B	0800-1630	Module 4: Skill Drills	Group B

Exam	0800-1200	Written & Practical Skills Exam	Group A
	1230-1630		Group B

NFPA 1002-2017 VISITING COMMITTEE ROSTER

- 1. Eric Uitts**
- 2. Robert Field**
- 3. Andy Parent**
- 4. John Uitts**
- 5. David Quick**
- 6. Scott Cathy**
- 7. Rick Payne**
- 8. Jeff Phillips**
- 9. Dan Tice**
- 10. Andy Anderson**
- 11. Scott Doherty**

**Emergency Vehicle Check
Skill Sheet DOAV-1**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Time Allowed: TBD

Evaluator: _____

Total Time: _____

Vehicle Overview <ul style="list-style-type: none"> • Checks General Condition • Reviews Vehicle Records (As applicable) 	1	
Engine Compartment Check <ul style="list-style-type: none"> • Checks Engine & Transmission <ul style="list-style-type: none"> - Obvious Leaks - Engine Oil - Belts - Transmission Fluid • Checks Coolant System Components • Checks Exhaust System Components • Checks Electrical System Components • Checks Axle & Suspension System Components • Checks Wheels & Tires • Checks Brake System Components 	1	
Cab Check <ul style="list-style-type: none"> • Checks Mirrors • Checks Safety Equipment / Paperwork • Checks Gauges / Instruments / Indicators • Checks Steering / Throttle / Transmission Selector / Brake Controls • Checks Horn(s) • Checks Lighting Controls 	1	
Exterior Check <ul style="list-style-type: none"> • Checks Lights • Checks Windshield / Windows / Mirrors • Checks Windshield Wipers / Washer • Checks Cab Doors & Latches • Checks Body / Doors & Latches / Exterior Equipment • Checks Fuel Tank & Cap / DEF Tank & Cap • Checks License Plate • Checks Electrical Wiring • Checks Exhaust System Components 	1	

<ul style="list-style-type: none"> • Checks Frame Rails & Cross Members • Checks Driveshaft / Axle(s) / Differential • Checks Suspension System Components • Checks Wheels & Tires • Checks Brake System Components • Checks Splash Guards 		
Brake Check <ul style="list-style-type: none"> • Checks Air Leakage Rate • Checks Low Air Pressure Alarm • Checks that Parking Brake Applies • Checks Air Pressure Build-Up Rate • Checks Compressor Cut-In Pressure • Checks Compressor Cut-Out Pressure • Checks Parking Brake • Checks Service Brake 	1	
Documentation <ul style="list-style-type: none"> • Completes Vehicle Check Form • Completes Vehicle Maintenance / Repair Form if deficiencies are found • Checks Safety Equipment / Paperwork 	1	
Total	6	

Critical Criteria

_____ Failure to complete 6 steps in a safe manner

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

**Basic Driving Skills
Skill Sheet DOAV-2**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Evaluator: _____

Time Allowed: TBD

Total Time: _____

Completes a 360° safety check		
Enters cab safely; adjusts driver's seat, steering wheel, & mirrors	1	
Confirms that the apparatus is safe to move (crew seated & belted, equipment in cab secure)	1	
Performs all required maneuvers on the predetermined route: <ul style="list-style-type: none"> • Left & Right turns / curves • Straight road • Intersections (simulated) • Lane changes (simulated) • Railroad crossing (simulated) 	1	
Maintains: <ul style="list-style-type: none"> • a safe following distance • control of the vehicle while accelerating & braking • control of the vehicle while turning • reasonable speed for prevailing conditions (road, weather, traffic) 	1	
Uses turn signals appropriately	1	
Maintains an awareness of vehicle gauges, instruments, & indicators	1	
Operates vehicle in accordance with all applicable laws and policies & procedures	1	
Total	7	

Critical Criteria

- _____ Failure to complete 7 steps in a safe manner
 _____ Fails to fasten seat belt prior to putting vehicle in motion

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

**Restricted Clearance Backing
Skill Sheet DOAV-3**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Evaluator: _____

Time Allowed: TBD

Total Time: _____

Completes a 360° safety check	1	
Enters cab safely; adjusts driver's seat, steering wheel, & mirrors	1	
Left Alley Dock		
Driver forward into the lane with the dock on the left side of the vehicle	1	
Verifies a spotter is in place prior to backing the vehicle	1	
Backs the vehicle into the dock using a left turn and without striking any cones	1	
Right Alley Dock		
Driver forward into the lane with the dock on the right side of the vehicle	1	
Verifies a spotter is in place prior to backing the vehicle	1	
Backs the vehicle into the dock using a right turn and without striking any cones	1	
Total	5	

Critical Criteria

- _____ Failure to complete 5 steps in a safe manner
- _____ Fails to fasten seat belt prior to putting vehicle in motion
- _____ Fails to maintain view of spotter / Fails to stop for hazards

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

**Roadway Obstructions
Skill Sheet DOAV-4**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Evaluator: _____

Time Allowed: TBD

Total Time: _____

Completes a 360° safety check	1	
Enters cab safely; adjusts driver's seat, steering wheel, & mirrors	1	
Drives the vehicle in a straight line along the left side of the course	1	
Verifies a spotter is in place prior to backing the vehicle	1	
Backs the vehicle between the center cones, passing to the left of Cone 1, to the right of Cone 2, and to the left of Cone 3	1	
Drives the vehicle forward between the center cones, passing to the right of Cone 3, to the left of Cone 2, and to the right of Cone 1	1	
Total	6	

Critical Criteria

- _____ Failure to complete 6 steps in a safe manner
- _____ Strikes any cones
- _____ Fails to fasten seat belt prior to putting vehicle in motion
- _____ Fails to maintain view of spotter / Fails to stop for hazards

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

**Confined Space Turnaround
Skill Sheet DOAV-5**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Evaluator: _____

Time Allowed: TBD

Total Time: _____

Completes a 360° safety check	1	
Enters cab safely; adjusts driver's seat, steering wheel, & mirrors	1	
Drives into the confined space via the designated opening	1	
Turns the vehicle 180° within the confined space without positioning any part of the vehicle over the boundary line formed by the cones <ul style="list-style-type: none"> • Verifies a spotter is in place prior to backing the vehicle 	1	
Drives out of the confined space via the designated opening	1	
Total	5	

Critical Criteria

- _____ Failure to complete 5 steps in a safe manner
- _____ Strikes any cones
- _____ Fails to fasten seat belt prior to putting vehicle in motion
- _____ Fails to maintain view of spotter / Fails to stop for hazards

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

**Restricted Horizontal & Vertical Clearance
Skill Sheet DOAV-6**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Time Allowed: TBD

Evaluator: _____

Total Time: _____

Completes a 360° safety check	1	
Enters cab safely; adjusts driver's seat, steering wheel, & mirrors	1	
Horizontal Clearance		
Drives the vehicle through the diminishing lane and stops within the designated boundaries	1	
Verifies a spotter is in place prior to backing the vehicle	1	
Backs the vehicle through the diminishing lane	1	
Vertical Clearance		
Determines if the vehicle will safely fit under the vertical clearance prop: <ul style="list-style-type: none"> • If yes, drives under the prop • If no, informs the evaluator that there is not sufficient clearance for forward travel 	1	
Verifies a spotter is in place prior to backing the vehicle	1	
Backs the vehicle under the vertical clearance prop	1	
Total	8	

Critical Criteria

- _____ Failure to complete 8 steps in a safe manner
- _____ Strikes any cones
- _____ Fails to fasten seat belt prior to putting vehicle in motion
- _____ Fails to maintain view of spotter / Fails to stop for hazards

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

**Defensive Driving
Skill Sheet DOAV-7**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Evaluator: _____

Time Allowed: TBD

Total Time: _____

Completes a 360° safety check	1	
Enters cab safely; adjusts driver's seat, steering wheel, & mirrors	1	
Uses defensive driving techniques: <ul style="list-style-type: none"> • Maintains a safe following distance • Maintains control of the vehicle while accelerating & braking • Maintains control of the vehicle while turning • Maintains reasonable speed for prevailing conditions (road, weather, & traffic) 	1	
Identifies an imminent hazardous condition or situation that could result in a collision	1	
Takes appropriate action to avoid a collision (evasive maneuvering, braking)	1	
Operates vehicle in accordance with all applicable laws and policies & procedures	1	
Total	6	

Critical Criteria

- _____ Failure to complete 6 steps in a safe manner
 _____ Fails to fasten seat belt prior to putting vehicle in motion

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

**Fixed System Operation
Skill Sheet DOAV-8**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Evaluator: _____

Time Allowed: TBD

Total Time: _____

Confirms that apparatus is secure (Parking brake applied; chocks set)	1	
Checks equipment for safe operation prior to use (i.e. visually checks for damage, general condition, oil level, leaks, etc.)	1	
Correctly deploys, engages, energizes, and monitors the system/equipment per manufacturer's specifications & instructions, and applicable policies & procedures	1	
Verbalizes what to watch while system/equipment is: <ul style="list-style-type: none"> • being deployed • being operated • being shut down and returned to service 	1	
Recognizes system/equipment problems and describes actions to be taken <ul style="list-style-type: none"> • Problems that can be addressed immediately • Problems that require the system/equipment to be taken out of service 	1	
Correctly shuts down the system/equipment per manufacture's specifications & instructions and applicable policies & procedures	1	
Total	6	

Critical Criteria

_____ Failure to complete 6 steps in a safe manner

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

**Emergency Response
Skill Sheet DOAV-9**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Time Allowed: TBD

Evaluator: _____

Total Time: _____

Receives an emergency call (confirms location & nature of response)	1	
Completes a 360° safety check	1	
Dons PPE per department policies & procedures	1	
Enters cab safely; adjusts driver's seat, steering wheel, & mirrors	1	
Confirms that the apparatus is safe to respond (crew seated & belted, equipment in cab secure)	1	
Total	5	

Critical Criteria

_____ Failure to complete 5 steps in a safe manner

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

Telephone Procedures
Skill Sheet DOAV-10

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Evaluator: _____

Time Allowed: TBD

Total Time: _____

Answers telephone promptly and identifies self & department/agency	1	
Obtains the following information from the caller: <ul style="list-style-type: none"> • Nature of emergency / request for service • Location of emergency / request for service • Caller's name • Call-back telephone number 	1	
Writes down necessary information	1	
Provides appropriate follow-up information to caller (safety information, instructions to evacuate structure, instructions to call 911, etc.)	1	
Ends call courteously and promptly	1	
Notifies dispatch center	1	
Provides accurate information to dispatcher	1	
Notifies personnel in quarters via intercom (if applicable)	1	
Total	8	

Critical Criteria

_____ Failure to complete 8 steps in a safe manner

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

**Radio Procedures
Skill Sheet DOAV-11**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Time Allowed: TBD

Evaluator: _____

Total Time: _____

Determines that there is no other radio traffic prior to transmitting (unless transmitting an emergency message)	1	
Holds microphone 1-2 inches away from mouth	1	
Speaks calmly, clearly, distinctly, and at an appropriate speed	1	
Identifies who the message is directed to, identifies self/unit, and waits for a response	1	
Transmits a message that is clear, concise, and accurate	1	
Acknowledges that message has been received	1	
Corrects any inaccurate information/messages	1	
Total	7	

Critical Criteria

_____ Failure to complete 7 steps in a safe manner

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below:

**Emergency Procedures
Skill Sheet DOAV-12**

State of New Hampshire
Department of Safety
Division of Fire Standards & Training and Emergency Medical Services
Driver / Operator – All Vehicles Practical Exam

Candidate: _____

Date: _____

Evaluator: _____

Time Allowed: TBD

Total Time: _____

Identifies the potential for a hazardous condition or situation / Identifies that a hazardous situation has occurred	1	
Moves the vehicle to a position of safety / Positions the vehicle to protect the scene as appropriate for the given scenario	1	
Transmits an appropriate radio message: <ul style="list-style-type: none"> • Emergency Traffic / Urgent • MAYDAY 	1	
Follows appropriate procedures for the given scenario (i.e. post-collision procedures, emergency evacuation procedures, etc.)	1	
Total	4	

Critical Criteria

_____ Failure to complete 4 steps in a safe manner

Circle one: 1st Attempt Retest

Document all reasons for not awarding points or for checking any critical criteria below: