



## PENNSYLVANIA STATE FIRE ACADEMY

### AERIAL - DRIVER/OPERATOR / TILLER (ADOT) SKILL STATIONS

#### Effective March 1, 2026:

- All certification candidates are required to maintain an active Acadis user portal account. (Acadis portal location = OSFC website/ Training and Certification Portal, or click here: [ENVISAGE Acadis®](#))
- All certification candidates are to be registered with the designated test site and rostered for the certification test.

### **Aerial – Driver/Operator Tiller Skill Stations**

NFPA 1002 – Chapters 4 and 6, 2017 Edition

|           |                                |                   |
|-----------|--------------------------------|-------------------|
| Station B | Driving, Public Roadway        | Mandatory Station |
| Station C | Obstruction Navigation         | Mandatory Station |
| Station E | Aerial Positioning & Operating | Mandatory Station |

#### **NOTES:**

1. NFPA 1002 (2017 Ed) Chapter 7, JPR 7.1: The requirement of Fire Fighter I as specified in NFPA 1001 and the requirements for Aerial Driver/Operator (Chapter 6) **MUST** be met before testing for Aerial Driver Operator - Tiller.
2. If a candidate is concurrently testing for Aerial - Driver/Operator with a Tiller Aerial Apparatus, then the Aerial Driver/Operator skills **MUST** be tested **FIRST** from the driver/operator (cab or front) position.
3. **No CDL exemption or equivalence can be given** for Aerial Driver/Operator Skills B and C when using a Tiller Aerial Apparatus.



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| STATION B – Driving on Public Roadways |           | Reference NFPA 1002 (2017 Ed), Chapters 7 and 4<br>Mandatory Station JPRs 7.2.2, 4.3.1 |                                                      |
|----------------------------------------|-----------|----------------------------------------------------------------------------------------|------------------------------------------------------|
| Test Site                              | Test Date | Candidate #                                                                            | Check the Test Type<br>_____ Initial    _____ Retest |

**Directions:** As the tiller-driver/operator and a predetermined route, operate a fire department tiller-aerial apparatus on a public roadway that incorporates the maneuvers and features specified in the following tasks for which a tiller-driver/operator is expected to encounter during normal operations, so that the vehicle is safely operated in compliance with all applicable state and local laws and departmental rules and regulations. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **17 of 17** tasks being correctly performed.

| No.                                  | Tasks                                                                                                                                                             | Yes         | No          |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| 1                                    | Utilizes passenger restraint systems as appropriate                                                                                                               |             |             |
| 2                                    | Adjusts mirrors, seat height and steering wheel as appropriate                                                                                                    |             |             |
| 3                                    | Scans instruments routinely (if applicable)                                                                                                                       |             |             |
| 4                                    | Negotiates four left and four right turns                                                                                                                         |             |             |
| 5                                    | Negotiates a straight section of urban business street or two-lane rural road of at least 1 mile (1.6 km) in length                                               |             |             |
| 6                                    | Negotiates one through-intersection and two intersections where a stop must be made                                                                               |             |             |
| 7                                    | Negotiates one railroad crossing                                                                                                                                  |             |             |
| 8                                    | Negotiates one curve (either left or right)                                                                                                                       |             |             |
| 9                                    | Negotiates a section of limited-access highway which includes a conventional ramp entrance and exit, and a section of road long enough to allow two lane changes. |             |             |
| 10                                   | Negotiates a downgrade steep and long enough to require down-shifting and braking                                                                                 |             |             |
| 11                                   | Negotiates an upgrade steep and long enough to require gear change to maintain speed                                                                              |             |             |
| 12                                   | Negotiates one underpass or a low clearance bridge                                                                                                                |             |             |
| 13                                   | Maintains a safe clearance distance from other vehicles                                                                                                           |             |             |
| 14                                   | Operates apparatus in accordance with all applicable posted speed limits, lane restrictions and height/weight restrictions                                        |             |             |
| 15                                   | Identifies the height, weight, and length of the apparatus                                                                                                        |             |             |
| 16                                   | Utilizes effectively and correctly the communications system between the cab and the tiller position found in tractor-drawn tiller apparatus                      |             |             |
| 17                                   | Completes all tasks without compromising personal or apparatus safety                                                                                             |             |             |
| <b>Please indicate skill outcome</b> |                                                                                                                                                                   | <b>PASS</b> | <b>FAIL</b> |

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



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|                                           |                  |                                                                                                                     |                                                      |
|-------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| <b>STATION C – Obstruction Navigation</b> |                  | <b>Reference NFPA 1002 (2017 Ed), Chapters 7 and 4<br/>Mandatory Station JPRs 7.2.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5</b> |                                                      |
| <b>Test Site</b>                          | <b>Test Date</b> | <b>Candidate #</b>                                                                                                  | <b>Check the Test Type</b><br>____Initial ____Retest |

**Directions:** As the tiller-driver/operator, operate a fire department tiller-aerial apparatus safely and effectively so as to maneuver the apparatus around features specified in the following tasks which a tiller-driver/operator is expected to encounter during normal operations, so that the vehicle is safely operated in compliance with all applicable state and local laws and departmental rules and regulations. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **6 of 6** tasks being correctly performed.

| No.                                  | Tasks                                                                                                                                                                                                                                                                                                                                                                                                       | Yes         | No          |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| 1                                    | Back a vehicle from a roadway into a restricted space from both the right and left sides of the vehicle, given a fire department vehicle, a spotter, and restricted spaces 12ft (3.66 m) in width, requiring 90-degree right-hand and left-hand turns from the roadway, so that the vehicle is parked within the restricted area without having to stop and pull forward and without striking obstructions. |             |             |
| 2                                    | Operate the vehicle around roadway obstructions while moving forward and in reverse, given a fire department vehicle, a spotter for backing, and a roadway with obstructions, so that the vehicle is maneuvered through the obstructions without stopping to change direction of travel and without striking obstructions.                                                                                  |             |             |
| 3                                    | Turn a fire department vehicle 180 degrees within a confined space, given a fire department vehicle, a spotter for backing, and an area in which the vehicle cannot perform a U-turn without stopping and backing up, so that the vehicle is turned 180 degrees without striking obstructions within the confined space.                                                                                    |             |             |
| 4                                    | Maneuver a fire department vehicle in areas with restricted horizontal and vertical clearances, given a fire department vehicle and a course requiring the operator to move through areas with restricted horizontal and vertical clearances, so that the operator accurately judges the ability of the vehicle to pass through the openings and that no obstructions are hit.                              |             |             |
| 5                                    | Operate a fire department vehicle using defensive driving techniques under emergency conditions so that vehicle control is maintained.                                                                                                                                                                                                                                                                      |             |             |
| 6                                    | Completes all tasks without compromising personal or apparatus safety                                                                                                                                                                                                                                                                                                                                       |             |             |
| <b>Please indicate skill outcome</b> |                                                                                                                                                                                                                                                                                                                                                                                                             | <b>PASS</b> | <b>FAIL</b> |

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



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| STATION E – Aerial Positioning and Operating |           | Reference NFPA 1002 (2017 Ed), Chapters 7 and 6<br>Mandatory Station JPRs 7.2.3, 6.2.1, 6.2.2, 6.2.3 |                                                 |
|----------------------------------------------|-----------|------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Test Site                                    | Test Date | Candidate #                                                                                          | Check the Test Type<br>____ Initial ____ Retest |

**Evaluator Note:** For any item deemed not applicable, please note N/A and calculate PASS based on the remaining applicable “Yes” marks. Please make sure Tasks 6 and 11 are appropriately marked.

**Directions:** Given an incident location, maneuver and position the aerial apparatus so that the aerial device is properly deployment for rescue and ventilation activities. The candidate will position the aerial for operations to a window and a roof. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **16 of 16** tasks being correctly performed.

| No.                           | Tasks                                                                                                                                                                                                          | Yes         | No          |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| 1                             | Area is assessed for hazards (i.e., overhead wires, collapse zone, terrain)                                                                                                                                    |             |             |
| 2                             | A spotter is used for positioning (if needed)                                                                                                                                                                  |             |             |
| 3                             | Apparatus is positioned in accord with applicable standards and assigned task (i.e., assure reach, considers tip load, angle of inclination, topography, ground stability, and weather effects/impact) (7.2.1) |             |             |
| 4                             | Power is transferred to the stabilizing system (candidate verifies or completes)                                                                                                                               |             |             |
| 5                             | Apparatus wheels chocked                                                                                                                                                                                       |             |             |
| 6                             | Stabilization / Leveling system properly used: ____ Automatic ____ Manual                                                                                                                                      |             |             |
| 7                             | Aerial properly leveled                                                                                                                                                                                        |             |             |
| 8                             | Stabilization verified / locked – pinned (if applicable)                                                                                                                                                       |             |             |
| 9                             | Power is transferred to aerial system                                                                                                                                                                          |             |             |
| 10                            | Aerial device is maneuvered to achieve the given objectives                                                                                                                                                    |             |             |
| 11                            | Load indicating devices checked (Tip load capacity):<br>____ Plate ____ Gauge ____ Operating Knowledge                                                                                                         |             |             |
| 12                            | Safety locks are engaged (where / if applicable) How Verified? _____                                                                                                                                           |             |             |
| 13                            | Candidate remained clear of obstructions and overhead wires                                                                                                                                                    |             |             |
| 14                            | Aerial device is bedded correctly                                                                                                                                                                              |             |             |
| 15                            | Stabilization system retracted/stowed properly and returned to service                                                                                                                                         |             |             |
| 16                            | Completes all tasks without compromising personal safety                                                                                                                                                       |             |             |
| Please indicate skill outcome |                                                                                                                                                                                                                | <b>PASS</b> | <b>FAIL</b> |

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_