



Allegany County Emergency Services Board Policies and Standards




Subject: Ladder Tower Standards

Approved: February 9, 2021

Policy/Standard #:

Revised:

Approved: , **Emergency Services Board Chair**

THIS STANDARD WILL BE EFFECTIVE FOR AERIAL APPARATUS NOT FALLING UNDER THE QUINT STANDARD. (I.E AERIAL APPARATUS WITH NO PUMP or AERIAL APPARATUS WITH PUMP BUT NOT RUNNING OR FILLING AS AN ENGINE Co.) THIS IS A DEPARTMENT CHOICE.

The following are the minimum standards for the essential equipment to be carried on apparatus equipped with an Aerial Device (Ladder & Tower). This standard shall be met by all fire and rescuedepartments before they are authorized to operate an apparatus equipped with an Aerial Device (Ladder & Tower)

CAD & RADIO DESIGNATION: LADDER (L1) or TOWER (T1)

1. Apparatus

- A. ___ Shall be inspected annually
- B. ___ Shall be maintained in a fully operational and safe condition
- C. ___ All vehicle riding positions shall be equipped with an industry approved seat belt
- D. ___ Shall be equipped with the appropriate emergency vehicle warning devices required by the Maryland Motor Vehicle Code, including functional emergency warning lights and emergency audiblewarning devices.
- E. ___ Shall be equipped with a mobile and portable radio that is provided by Allegany County DES(portable radio for every riding position, unless dept individual issue)
- F. ___ Shall be registered as an emergency vehicle
- G. ___ Shall be equipped with a backup alarm
- H. ___ Shall have functional head, tail, and signal lights
- I. ___ Shall have department identification lettering, 3" minimum on both sides, and rear of the vehicle, and a 1" reflective stripe on the sides, per NFPA standards

- J. ___ Shall have an ANSI 107-2004 class II reflective safety vest for each riding position
- K. ___ Shall have one (1) DOT Emergency Response Guide (ERG Book)
- L. ___ Shall have one (1) on board generator, minimum capacity of 5kW
- M. ___ Shall have eight (8) illuminated warning devices, such as highway road flares
- N. ___ Shall be equipped with an aerial device of 75' or greater with water way capable of flowing 500gpm
- O. ___ Shall have two (2) wheel chocks
- P. ___ Shall have approved ground pads. One (1) for each applicable outrigger.

2. Firefighting Equipment

A. Breathing Apparatus

- I. ___ Shall have one (1) SCBA complying with NFPA 1981 for each assigned seating position, but not fewer than four (4)
- II. ___ Shall have one (1) spare cylinder for each SCBA carried
- III. ___ Shall have one (1) RIT pack, including a minimum of a 45 minute cylinder, high and low pressure hoses, and EBSS for attachment to SCBA, UAC Connection and a face-piece

B. Extinguishers

- I. ___ Shall have one (1) 20lb ABC dry chemical extinguisher
- II. ___ Shall have one (1) CO2 extinguisher
- III. ___ Shall have two (2) pressurized water can

3. Ladders (Fire Service Rated)

- I. ___ Shall have a combination of three (3) extension ladders to consist of (1) 35' & (1) 24', Third can be department choice but must be 24' or greater.
- II. ___ Shall have two (2) 16' straight ladders
- III. ___ Shall have one (1) 14' roof /straight ladder with folding hooks
- IV. ___ Shall have one (1) 10' folding ladder (attic ladder)
- V. ___ Shall have one "A" Frame Ladder or Little Giant style ladder
- VI. ___ Total ground ladder complement must exceed 115' in total

4. Ventilation Equipment

- I. __ Shall have one (1) positive pressure fan

5. Saws

- I. __ Shall have two (2) chainsaws
- II. __ Shall have two (2) K-12 type rescue saws, with composite, carbide, or diamond tip blade
- III. __ Shall have one (1) reciprocating saw with assorted metal & wood blades

6. Forcible Entry Equipment

- I. __ Shall have two (2) pick head or combination of (1) pick head & (1) pig tool
- II. __ Shall have two (2) flat head axe
- III. __ Shall have one (1) sledgehammer 8lb min
- IV. __ Shall have one (1) hydraulic forcible entry tool (Hydra-Ram or Rabbit Tool)
- V. __ Shall have one (1) K Tool or similar lock pulling device
- VI. __ Shall have one (1) 24" min bolt cutter
- VII. __ Shall have one (1) 36" bolt cutter
- VIII. __ Shall have two (2) halligan bars

7. Hooks

- I. __ Shall have one (1) 4' Hooks
- II. __ Shall have two (2) 6' Hooks
- III. __ Shall have two (2) 8' Hooks
- IV. __ Shall have two (2) 12' Hooks

8. Hose and Appliances

- I. __ Shall have two (2) combination wrenches (hydrant, spanner, stortz, etc.)

- II. ___ Shall have one (1) rubber mallet suitable for tightening and breaking suction
- III. ___ Shall have two (2) 2 ½" Double Female adapter
- IV. ___ Shall have two (2) 2 ½" Double Male adapter
- V. ___ Shall have one (1) gated shutoff valve or, one (1) Siamese Type Valve with a minimum of two (2) 2 ½" female connections
- VI. ___ Shall have 100' of 3" double jacket hose (For apparatus that is non pre-piped)
- VII. ___ Shall have one (1) hose strap per section of hose for aerial use (For apparatus that is non pre-piped)
- VIII. ___ Shall have one (1) 50' section of 4" LDH or larger for use as pony section between appliance & waterway.

9. Miscellaneous Equipment

- I. ___ Shall have four (4) portable hand lights (unless individual issue)
- II. ___ Shall have two (2) NFPA approved ladder belts (assorted sizes)
- III. ___ Shall have one (1) thermal imaging camera
- IV. ___ Shall have (1) set of elevator keys

10. Pneumatic / Electric / Hand Tools

A. Hand Tools

- I. ___ Shall have one (1) claw hammer
- II. ___ Shall have one (1) 2lb hammer
- III. ___ Shall have one (1) 8" crescent wrench
- IV. ___ Shall have one (1) 10" crescent wrench
- V. ___ Shall have one (1) 12" crescent wrench
- VI. ___ Shall have two (2) assorted flathead screwdrivers
- VII. ___ Shall have two (2) assorted Philips head screwdrivers
- VIII. ___ Shall have one (1) 7" dikes (side cutters)
- X. ___ Shall have one (1) 14" min pipe wrench
- XI. ___ Shall have one (1) 7 ½" vice grips
- XII. ___ Shall have one (1) Standard Allen wrench set

- XIII. ___ Shall have one (1) Metric Allen wrench set
- XIV. ___ Shall have one (1) Standard socket set with 3/8" drive
- XV. ___ Shall have one (1) Metric socket set with 3/8" drive
- XVI. ___ Shall have one (1) combination wrench open/box end set, 3/8" to 1"

11. Technical Rescue Equipment

A. Rope Rescue Equipment (Must meet NFPA 1983)

- I. ___ Shall have 600' total 1/2" static kernmantle rope in various bags (cannot be 1 600' bag)
- II. ___ Shall have two (2) 150' length of utility service rope
- III. ___ Shall have one (1) stokes basket with lifting bridal & tie in attachments
- IX. ___ Shall have equipment to set up (1) 3:1 system with Belay
- X. ___ Shall have two (2) personal floatation devices (PFD)
- XI. ___ Shall have one (1) water rescue throw bag

12. Medical Equipment

- A. ___ Shall have one (1) portable First Aid & Oxygen kit (MIEMSS First responder compliant)

13. Damage Control / Salvage Equipment

- I. ___ Shall have one (1) street broom, with handle
- II. ___ Shall have two (2) large metal salvage tubs (minimum 10 gal)
- III. ___ Shall have one (1) chimney kit
- IV. ___ Shall have two (2) 12' x 12' salvage covers
- V. ___ Shall have one (1) sprinkler kit, with assorted wedges
- VI. ___ Shall have one (1) T-Handle water shut off tool (hook with shut off end acceptable)
- VII. ___ Shall have two (2) scoop shovels

14. Electrical / Lighting Equipment

- I. ___ Shall have four (4) portable flood lights (All battery is acceptable, but must have extra battery or plug & play option)
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- II. ___ Shall have a minimum of 200', truck mounted, electrical cable with rated connectors
- III. ___ Shall have a minimum of 200', portable, electrical cable with rated connectors (Four 50' cords are recommended to meet this)
- IV. ___ Shall have one (1) junction box, with rated connectors
- V. ___ Shall have one (1) bag of assorted pig tail adaptors, with rated connectors
- VI. ___ Shall have one (1) roof kit containing, shears, box cutters & extra blades

15. Hazardous Materials Equipment

- I. ___ Shall have one (1) gas shut off tool (spanner with shutoff end is acceptable)
- II. ___ Shall have one (1) 4 gas meter to include LEL, CO, O2, H2S
- III. ___ Shall have one (1) gas location leak detector

INSPECTION CERTIFICATION:

Company #: _____ Vehicle ID#: _____
 Inspection Date: _____ Inspected by: _____ Rank: _____
 Re-Inspection Date: _____ Re-Inspected by: _____