Section 3 – Minimum Standards for Truck Companies

MISSION STATEMENT: The overall mission of the Truck Company shall be to provide the Baltimore County Fire Service and surrounding areas with the equipment and trained manpower to assist in securing an incident as directed.

APPLICABLE PUBLICATION: The following publications are considered to be a part of this specification to the extent referenced. Publications herein defined; any be referenced in text in their abbreviated format;

Baltimore County Electrical Specifications

Maryland State Firemen’s Association By-Laws

National Electrical Manufacturers Association

Baltimore County Fire Department Standard Operating Procedures"

SAFETY STATEMENT: Nothing in this specification shall be cause for or construed to allow unsafe practices in the use or operation of the apparatus and equipment identified in this specification. Items such as proper storage and handling of fuels, proper grounding of electrical equipment, and observation of safe practices in the handling and operation of all equipment are assumed to be fundamental concepts of this document.

EQUIVALENCY STATEMENT: In evaluating apparatus, tools or equipment for compliance with the requirements of this specification, an equivalency shall be determined and documented is such equipment is found to provide the same strength, abilities, capabilities and other such pertinent features as that which has been specified. In instances where ready determination cannot be made, the Chairperson of the Rescue Committee of the Baltimore County Volunteer Firemen’s Association shall appoint a committee of two individuals of research and investigate the equipment. The report of the committee shall be returned to the full Rescue Committee within two months of their appointment for a final vote. Only companies having units affected by this specification will be eligible to cast a vote. Final determination regarding equivalency requests shall be recorded in the minutes of the Rescue Committee and shall be individually documented to the Company(ies) affected.

Truck Companies shall consist of at least the minimum following items, carried on a motorized apparatus of sufficient capacity to carry same with five (5) crew members without being overloaded. The unit shall be equipped with a hydraulically operated aerial and/or platform (basket). Minimum height fully extended shall be not less ninety (90) feet and shall be complete with not less than one hundred thirty (130) feet of ground ladders, 28 feet of which must be roof ladders. 1 35 ft Ladder, and 1 10ft Attic Ladder The aerial device shall be subject to a yearly non-destructive test performed by a certified aerial ladder testing firm and provided a certificate of certification.

GENERAL SPECIFICATIONS

1. BREATHING APPARATUS (S.C.B.A.)
   1. Five, self-contained positive pressure breathing apparatus (Bureau of Mines approved for fire service use with forty-five minutes rating minimum) with low pressure alarm and/or timer. Each S.C.B.A. will be equipped with a P.A.S.S. device meeting NFPA specifications.
   2. One, spare air cylinder shall be carried for each S.C.B.A.
2. FIRE EXTINGUISHERS
   1. One, 10-pound B/C carbon dioxide
   2. One, 20-pound B/C dry powder/chemical
   3. One, Pressurized Water, two and one-half gallon
3. FANS
   1. One, Exhaust type (explosion-proof), minimum airflow rating 5000 CFM each.
   2. One, positive-pressure fan (Electric or hydraulic)
4. AXES
   1. Two, pick-head
   2. Two, flathead
5. BARS
   1. Two, Halligan type
   2. One, 30” (short) pinch point
   3. One, 60” (long) pinch point
6. HOOKS
   1. Two, pike poles, 6 feet, hook end
   2. Two, pike poles, 8 feet, hook end
   3. Two, pike poles, 12 feet, hook end
   4. One, Closet hook
7. FORCIBLE ENTRY
   1. One, K-Tool or equivalent
   2. One, Rabbit tool type hydraulic forcible entry door opener or equal
8. SAWS
   1. One, gasoline, wired electric, or battery-operated chain saw with a minimum 16 inch bar and spare chain
   2. One, circular saw with assorted spare blades
   3. One, Reciprocating saw with assorted blades
9. SLEDGE HAMMERS
   1. Two, 12-pound steel
10. COMMUNICATIONS
    1. Unit to be equipped to Baltimore County Fire Service specifications
    2. Intercom between turntable and top of aerial or platform
    3. One, Mobile 800 MHz radio
    4. Five, Portable 800 MHz radio w/carrying case
11. ELECTRICAL
    1. Electrical component capable of operating all unit-carried equipment up to 200-ft away
    2. Unit must be equipped with the ability to illuminate a 100' by 100' area
    3. Five, hand-lights (battery or rechargeable)
12. SALVAGE
    1. Two, covers or tarps
    2. Two, brooms, sweep
    3. One, roll of tar paper and/or plastic sheeting.
    4. Two, rolls of tape, 2 inches wide (duct-type)
13. SEARCH EQUIPMENT
    1. One, thermal imager
14. SHOVELS
    1. Two, scoop long handle
15. PICKS
    1. One, point and chisel type
16. MISCELLANEOUS
    1. One, pitch fork
17. ROPE RESCUE EQUIPMENT
    1. Utility type, nylon or dacron construction (not to be used for high angle rope rescue).
       1. Two lengths, ½” x 100 feet
       2. Four lengths, ½” x 50 feet
    2. Rescue grade for high angle rope rescue (static kernmantle) minimum diameter ½” meeting NFPA standard.
       1. Two lengths, ½” x 300 feet
       2. Four, figure eight devices, 10,000 pound rated
       3. Six, carabiners, 9,000 pound rated (steel)
       4. Two, NFPA class II seat style harnesses
       5. Two, NFPA class III harnesses
       6. Six, webbing, nylon 1”, assorted lengths
       7. Three, sets, Prussiks (53” and 65”)
       8. Two pulleys (two inch minimum)
       9. Double pulley assembly or “Thayer-Plane” for stokes basket evolution (Optional for Towers)
       10. County supplied High Angle rescue kit as supplied to participating Trucks (TAC-35)
18. LADDER BELTS
    1. Four, pompier belts (Or equivalent), assorted sizes
19. RESCUE CHAINS
    1. One, length, 15’ each, 10mm (3/8”), 6600-pound test at 90 degrees with hooks and/or rings
    2. One, length, 10’ each, 10mm (3/8”), 6600-pound test at 90 degrees with hooks and/or rings
20. CHISELS
    1. Two, cold chisels, 8 inches
    2. Assorted masonry chisels
21. STABILIZATION: Units shall carry the following sections of suitable hardwood / or proprietary plastic for cribbing.
    1. Twelve, 4” x 4” x 18”
    2. Eight, 6” x 6” x 18”
    3. Four, 4” x 4” wedges
    4. Two, Rescue Struts
22. GEAR, LIFT/RESCUE
    1. One Pulling device, 3000 lb. capacity, chain type
    2. One, four-ton Porta-Power with basic attachments or “Rabbit Tool” (Optional)
    3. High pressure bags, capable of lifting minimum of 12 tons to 24 inches, plus manifold and hoses, or hydraulic bottle jacks as specified below.
    4. One, twelve-ton hydraulic jack or high-pressure air bag
    5. One, twenty-ton hydraulic jack or high-pressure air bag.
23. WATER RESCUE EQUIPMENT
    1. Five, USCG approved, type III personal floatation device, equipped with whistles and visual identification markers (i.e., cyalume light sticks, battery powered strobes, etc.)
    2. Five, Polypropylene rope throw bags
    3. Five approved water rescue helmets
    4. PA system of at least 90 decibels
24. VEHICLE/MACHINARY RESCUE TOOLS
    1. One, rescue tool to include the following attachments:
       1. Spreading jaws with 18,000 pounds of force
       2. Cutting tool with 38,000 pounds of force
       3. One, ram 30” inch minimum with 29,000 pounds of force
       4. Necessary equipment to operate 2 tools simultaneously
25. ELEVATOR RESCUE EQUIPMENT
    1. One, elevator pole
    2. Assorted elevator keys
    3. One, Lock-out/Tag-out Kit
26. BUCKETS
    1. One, 14-quart metal type
27. BOLT CUTTERS
    1. One, bolt cutter, manual or hydraulic, capable of cutting 5/8” of hardened steel.
28. AIR MONITORING EQUIPMENT
    1. One, Multi-gas Meter (LEL, O2 & CO)
    2. Combustible gas detector
29. RIT EQUIPMENT
    1. RIT bag per Baltimore County Fire Service Specifications
    2. One, Master search rope bag with knotted rings at every 10’ (100’)
    3. Four 50’ personal search rope bags (50’)
    4. RIT Tarp
30. SMALL TOOLS
    1. Two, 24-ounce ball-peen hammer
    2. One, Claw hammer
    3. One, electrician’s pliers
    4. One, 12-inch channel-lock pliers
    5. One, 7-inch vise-grip pliers
    6. One, 8-inch slip-joint pliers
    7. One, hacksaw with spare blades
    8. Six, assorted screwdrivers (Phillips and straight)
    9. One, tin snips
    10. One, 14-inch Stiltson wrench
    11. One, 12-inch adjustable wrench
    12. One, 3/8- or 1/2-inch electric drill and assorted bits
    13. One, 3/8- or 1/2-inch drive standard socket set
    14. One, 3/8- or 1/2-inch drive metric socket set
    15. One, open end wrenches (3/8 inch to 1 inch) SAE
    16. One open end wrench, (8mm to 19mm) Metric
    17. One, key hole saw
    18. One set, Allen wrenches
31. EMERGENCY MEDICAL EQUIPMENT: Emergency Medical Supplies meeting the First Responder Equipment Standard of the Baltimore County Volunteer Fireman’s Association.
32. STRETCHERS
    1. One, Stokes basket with 4-point sling
    2. One, full backboard
    3. One, LSP half backboard or KED
    4. One, SKED device or equivalent
33. HOSE AND HOSE APPLIANCES
    1. One, ladder pipe and/or fixed monitor (600-gpm minimum) to the basket with stream discharge pipe. (Tips 1 ¼”, 1 ½”, 1 ¾”)
    2. One, master stream variable pattern nozzle. GPM flow by aerial unit specifications.
    3. Two, eighty (80) feet lengths of rope with hooks for aerial ladder pipe ground operations, unless equipped with a remote nozzle.
    4. One, two inlet 2 ½” clappered siamese with drain, unless equipped with a waterway.
    5. One, minimum 2 ½” gate type shut off valve for Siamese, unless equipped with a waterway.
    6. One, 100 foot length double jacketed, rubber lined hose for aerial ladder pipe operations, unless equipped with a waterway.
    7. Four, hose straps, unless equipped with a waterway.
    8. One, hose or equipment hoist.
    9. One, hydrant wrench.
    10. Four, combination spanner wrenches.
    11. Two, 2 ½” double male.
    12. Two, 2 ½” double female.
    13. One, 2 ½” to 1 ½” reducer.
34. REQUIRED
    1. Knox Box Key
    2. Lock Box
    3. Current DOT Sticker or Documentation