

ALBANY COUNTY FIRE DISTRICT 1

Apparatus Maintenance Personnel

Standard Operating Guidelines (SOG)

Apparatus Maintenance Professional is defined as personnel employed by Albany County Fire District 1 (ACFD1) for the single purpose of maintaining and repairing ACFD1 fleet apparatus through both preventative measures and in response to damage to apparatus through the course of normal department activities.

This position does not include department personnel performing basic maintenance tasks on their individual department apparatus (see basic task definitions later in the text).

The requirements for persons employed in this position will be set by the Authority Having Jurisdiction (AHJ) and the AHJ will be defined as the ACFD1 Board.

ACFD1 Board Members will use, as a guideline, for their decision-making process National Fire Protection Association (NFPA) 1071 and NFPA 1911. Copies of these guidelines will be available as requested for ACFD1 department's chief officers and members.

ACFD1 Board Members will define the following levels of training and their duties for apparatus mechanics as:

Emergency Vehicle Technician I (Responsible for Operational Checks on the Following):

Chassis:
Cab and Body Components:
Transmission:
Fire Pump, Auxiliary Pump and Tank Systems:
Electronic and Electrical Systems (Low Voltage):
Aerial Systems:
Foam and Foam Systems:
Auxiliary Systems:
Specialized Systems:

EVT II (Responsible for Performance Checks on the Following):

Chassis:
Cab and Body Components:
Transmission:
Pump and Tank Systems:
Electronic and Electrical Systems (Low Voltage):

Aerial Systems:

Foam and Foam Systems:

Auxiliary Systems:

Specialized Systems:

EVT III (Responsible for Supervision and Managerial Skills):

Human Resources Management:

Quality Control:

Equipment and Parts Management:

Documentation:

Apparatus Specifications:

All persons meeting qualifications must be able to perform work on all equipment listed above and safely operate the equipment needed to inspect and repair the apparatus. Basic tasks such as changing engine and transmission oil and filters, servicing and changing tires, servicing differentials, adjusting brakes, servicing wheel bearings, body work and painting, are considered generic and could be delegated as approved by the AHJ to local businesses with qualified personnel.

Requirements for ACFD1 employed mechanics:

These requirements are not specific to members of individual departments that perform basic tasks such as changing engine and transmission oil and filters, servicing and changing tires, etc or anything else the board defines as a basic task.

All personnel employed as an ACFD1 district mechanic must meet the minimum requirements of an EVT I and or certified as an ASE mechanic unless otherwise designated by the AHJ.

Any employee servicing the foam units, tanks, and pumps of the apparatus must, at a minimum, meet the guidelines listed in NFPA 1071 and those outlined by ACFD1 board personnel.

All personnel employed by the district and the ACFD1 mechanic must show proof of training and current certification levels, prior to working on department apparatus.

Automotive Service Excellence (ASE) Certifications are outlined as:

A-1 Automobile, Engine Repair

A-2 Automobile, Automobile Transmission and Transaxle

A-3 Automobile, Manual Drive Train and Axles

A-4 Automobile, Suspension and Steering

A-5 Automobile, Brakes

A-6 Automobile, Electrical/Electronic Systems

A-7 Automobile, Heating and Air Conditioning

A-8 Automobile, Engine Performance

T-1 Medium/Heavy Truck, Gasoline Engines

T-2 Medium/ Heavy Truck, Diesel Engines

T-3 Medium/Heavy Truck, Drive Train

T-4 Medium/Heavy Truck, Brakes
T-5 Medium/Heavy Truck, Suspension and Steering
T-6 Medium/Heavy Truck, Electrical/Electronic Systems
T-7 Heavy Duty Truck, Heating, Ventilation and Air Conditioning
T-8 Heavy Duty Truck, Preventative Maintenance Inspection

EVT Certifications are outlined as:

F-1 Apparatus Maintenance and Inspection
F-2 Design and performance Standards and Preventative Maintenance of Fire Apparatus
F-3 Fire Pumps and Accessories
F-4 Fire Apparatus Electrical Systems
F-5 Aerial Fire Apparatus
F-6 Allison Automatic Transmissions
F-7 Foam Systems
FA-4 Advanced Electrical Systems
F-8 Hydraulic Systems
E-1 Design and Performance Standards and Preventative Maintenance of Ambulances
E-2 Ambulance Electrical Systems
E-3 Ambulance Heating, Air Conditioning, and Ventilation
E-4 Ambulance Cab, Chassis, and Body
E-5 Ambulance Inspection and Maintenance
M-1 Management Level 1 Supervisor
M-2 Management Level 2 Supervisor

In order for ASE personnel to meet the guidelines of NFPA 1071 they must have the above listed certifications to work on the following areas and demonstrate competence in each.

ASE:

Chassis: T-3, T-4, T-6, T-8
Cab and Body: T-all
Transmission: T-1, T-2, T-3, T-6, T-8
Pump and Tank: T-3, T-6, T-8
Electrical: T-6, T-7, T-8
Aerial Testing: T-3, T-5, T-6
Foam: T-3, T-6, T-8
Auxiliary Systems: T-1, T-2, T3, T-6

EVT:

Chassis: F-1, F-2, F-3, F-8, E-1, E-4
Cab and Body: F-1, F-2, E-1, E-3, E-4
Transmission: F-1, F-6, E-4
Pump and Tank: F-1, F-3
Electrical: F-1, F-4, FA-4, E-2

Aerial Testing: F-1, F-5, F-8

Foam: F-1, F-2, F-7

Auxiliary Systems: F-1, F-2, F-7, F-8

All additional certifications required for employment as the ACFD1 Apparatus Mechanic will be set by the ACFD1 listed as the AHJ for this matter.

All requests or questions in these matters will be sent directly to the ACFD1 for review.