

Suggested Reference Material:

**The Career Equipment Fleet Manager**, Association of Equipment Management Professionals. Reference that you are taking an EVT exam to be eligible for member price of \$225.00 from 970-384-0510 or www.AEMP.org

NFPA reference listed below - National Fire Protection Association (800) 344-3555 or www.nfpa.org

1901, **Standard for Automotive Fire Apparatus**

1911, **Standard for the Inspection, Maintenance, Testing, and Retirement of In-Service Automotive Fire Apparatus** 2007 ed.

KKK-A-1822F **Federal Specification for the Star-of-Life Ambulance**, download for no charge at <http://www.ntea.com/WorkArea/showcontent.aspx?id=1352>

**LEARNING OBJECTIVES**

Section A - The Manager shall understand the principles stated in **The Career Equipment Fleet Manager**

1. Information

- a. Benchmarking
  - (1) Definition
  - (2) Business Practice
- b. Specifications
  - (1) Specification Writing
  - (2) Tires/Fuel
  - (3) Automatic Transmissions
- (4) Diesel Engine/Gasoline Engines
- (5) Road calls
- (6) Air brake dryers
- (7) Considerations for specifications
- (8) Fundamental requirement
- c. Technology
  - (1) Maintenance Software

2. Policies

- a. Environmental
  - (1) Hazardous Materials
  - (2) Hazardous Waste
  - (3) EPA
  - (4) Fuel Storage Tank Regulations
  - (5) Containers
  - (6) Toxic Wastes
  - (7) Reactive Waste
  - (8) Employee Environmental Training
  - (9) Hazardous Communication Program
  - (10) Shop Ventilation
  - (11) Material Safety Data Sheets
- b. Human Resource Chapter
  - (1) ADA
  - (2) Discipline
  - (3) Sexual Harassment
- (4) EEOC
- (5) Employment Law
- (6) Motivation
- (7) Performance Evaluation
- (8) Personnel Management
- (9) Fair Labor Standards Act (FLSA)
- (10) Discrimination
- (11) Quid Pro Quo
- (12) Training
- c. Safety
  - (1) Emergency Evacuation Plan
  - (2) Personnel Protective Equipment
  - (3) Fire Extinguishers
  - (4) Lock out/Tag out
  - (5) Forklift Operator Training
  - (6) Safety awareness

3. Controls

- a. Outsourcing
  - (1) Reasons outsourcing fails
  - (2) Feasibility/Effectiveness
  - (3) Outsourcing and increased control
  - (4) Definition of control
- b. Parts Management
  - (1) Vendor managed inventory (VMI)
  - (2) Inventory costs
  - (3) Purpose of inventory
  - (4) Just-in-Time
  - (5) Order quantity cost
- c. Preventive Maintenance
  - (1) Preventative/Scheduled Maintenance
  - (2) Unscheduled Maintenance
  - (3) Failure Analysis
- d. Shop/Facilities Management
  - (1) Diagnosing Problems
  - (2) Empowering
  - (3) Ethics
- (4) Failure & Breakdown Analysis
- (5) Job Assignments
- (6) On-the-Job Training
- (7) Productivity
- (8) Quality Control
- (9) Record Keeping
- (10) Regulations/Dot Bureau of Motor Carrier Safety
- (11) Scheduling
- (12) Serving Customers
- (13) Task Assignment
- (14) PMI / Driver / Technician
- (15) Road calls
- (16) Reports
- (17) Unscheduled maintenance cost
- (18) Vehicle availability
- (19) Maintenance controls
- (20) Overtime
- (21) Work standards
- (22) Repair authorization

Section B

1. The Manager shall understand the requirements for Fire Apparatus as stated by **NFPA**

a. **NFPA 1901**

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|-----------------------------------------|--------------------------|
| (1) Definitions                         | (b) Acceleration test    |
| (a) Authority Having Jurisdiction (AHJ) | (c) Certification test   |
| (b) Load Management System              | (d) Braking System GVWR  |
| (2) Requirements                        | (e) Reflective stripping |
| (a) Acceptance tests                    |                          |

b. **NFPA 1911**

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|------------------------------|-----------------------|
| (1) Pump Test requirements   | (2) Intake Reliefs    |
| (a) Service/Performance test | (3) Test Results      |
| (b) Gauges                   | (4) Tire requirements |
| (c) Flow equipment           |                       |
| (d) Pump Vacuum Test         |                       |

c. **NFPA 1911**

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|----------------------------|--------------------------------|
| (1) Preventive Maintenance | (4) Out of Service Criteria    |
| (2) Documentation          | (5) Qualification of Personnel |
| (3) Operational Tests      | (6) Safety                     |
|                            | (7) Vehicle Stability          |

Section C

1. The Manager shall understand the requirements for Ambulances as stated in **KKK Federal Specifications for Star of Life Ambulance**

- a. Payload
- b. Radio Frequency Interference
- c. Emergency Lighting
- d. Load Managers
- e. Chassis and Module Power