

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
  - 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

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## Section B

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

a. **NFPA 1901**

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

b. **NFPA 1911**

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

c. **NFPA 1911**

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

## 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