

## **April 1 , 2015 Proposed Change Notice 8**

### **2.2 OTHER PUBLICATIONS**

Delete the following:

#### **NATIONAL TRUCK EQUIPMENT ASSOCIATION / AMD:**

AMD STANDARD 003 – OXYGEN TANK RETENTION SYSTEM STATIC TEST

Add the following:

#### **SOCIETY OF AUTOMOTIVE ENGINEERS (SAE), INC., STANDARDS, AND RECOMMENDED PRACTICES:**

SAE J3026 Ambulance Patient Compartment Seating Integrity and Occupant Restraint  
SAE J3027 Ambulance Litter Integrity, Retention, and Patient Restraint  
SAE J3043 Ambulance Equipment Mounts

### **3.5.2 PAYLOAD CAPACITY.**

Delete the third paragraph and replace it with the following:

The required minimum payload (patients, passengers and cargo/equipment) per vehicle without optional permanently mounted equipment shall be as follows:

1. Van ambulances (Type II)—1500 lbs.
2. Modular ambulances (Type I or III)—1750 lbs.
3. Additional duty modular ambulances (Type I AD or III AD)—2,250 lbs.

### **3.6.7 WHEELS**

Delete Paragraph 3.6.7  
Replace it with the following:

Wheels shall conform to the recommendations of the Tire and Rim Association, Inc., and shall be identical in type, size, and load rating for all wheels on the ambulance.

### **3.10.3 EMERGENCY MEDICAL SERVICES PROVIDER (EMSP) SEATING**

Delete Paragraph 3.10.3  
Replace it with the following paragraph:

The EMSP seat shall be located to allow for the care of the primary patient.

### **3.11.4 PATIENT COMPARTMENT SEATING**

Delete Paragraph 3.11.4  
Replace it with the following paragraphs:

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All seats in the patient compartment shall conform to all applicable FMVSS requirements and SAE J3026. The seats(s) shall be installed according to the seat manufacturer's directions.

To facilitate cleaning and disinfecting, all seats furnished and installed by the FSAM shall be cleanable to OSHA standards, and all exposed surfaces shall be free of vent devices that would permit the entrapment of biological contaminants.

### **3.11.4.1 PATIENT SEATING.**

Delete Paragraph 3.11.4.1

Replace it with the following paragraphs:

Commercially produced seats (OEM seating) will be padded and have the largest practical padded back and headrests. The upholstery shall be non-absorbent, washable and impervious to disinfectants.

Seat(s) manufactured by the FSAM shall be padded and have the largest practical padded back and headrests. The seats shall not be less than 15" deep by 18" wide (per seating position), and the seat backs shall be a minimum of 18" wide by 7" tall. Padding material shall be rubber or polyester urethane foam of a medium to firm density, with a minimum finished thickness (padding and upholstery) of 2.5" for seat pads, and 2" for head and backrests. Seats shall have 40 oz. (minimum) reinforced vinyl upholstery.

The upholstery shall be non-absorbent, washable and impervious to disinfectants.

Add the following paragraph:

### **3.11.4.2 SEATING OVERHEAD CLEARANCE**

All seating positions in the patient compartment shall be provided with a minimum vertical overhead clearance measurement of 43 ".

### **3.11.6 LITTER FASTENERS AND ANCHORAGES**

Delete Paragraph 3.11.6

Replace it with the following paragraph:

A litter fastener assembly with quick release latch shall be furnished. The installed litter fastener device(s) for wheeled cots shall meet the performance requirements of SAE J3027

The litter fastener shall be installed according to the litter fastener manufacturer's directions.

*ALL LITTERS SHOULD ONLY BE USED WITH THE REQUIRED FASTENER ASSEMBY AS PRESCRIBED BY THE LITTER MANUFACTURER.*

### **3.11.3 STORAGE COMPARTMENTS AND CABINETS DESIGN.**

Delete Paragraph 3.11.3-10)

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Replace it with the following paragraph:

10) Oxygen cylinder(s) shall be mounted with a restraining device(s) conforming to the requirements of SAE J3043.

### 3.11.1.1 LOCATION OF MEDICAL EQUIPMENT AND SUPPLIES

Delete Paragraph 3.11.1.1

Replace it with the following paragraph:

Supplies, equipment, tools, etc., shall be stored in enclosed compartments and drawers designed to accommodate the respective items

### 3.11.8 MOUNTING AND RETENTION OF MEDICAL DEVICES AND EQUIPMENT

Add the following paragraph:

Equipment mounts or retention devices utilized in areas occupied by patients or crew shall be tested in accordance with the requirements of SAE J3043. The mounts or retention devices shall be installed according to the mount or retention device manufacturer's directions.

### 3.15.3 CONFIGURATION WORKSHEET.

Delete the existing text before, Reference Section 3.0 – REQUIREMENTS and replace it with the following

The Department of Homeland Security, in conjunction with the National Institute of Standards and Technology, and National Institute for Occupational Safety and Health, has developed a guidebook focused on helping EMS provider organizations design and specify ambulance patient compartments, which includes design criteria and best practices based on human performance research, human factors engineering design standards, and EMS community requirements.

This document is titled, "Ambulance Patient Compartment Human Factors Design Guidebook."

It can be downloaded at

<http://www.firstresponder.gov/TechnologyDocuments/Ambulance%20Patient%20Compartment%20Human%20Factors%20Design%20Guidebook.pdf>

Practitioners shall utilize this document when designing ambulances in conjunction with this specification.

#### FIGURES:

Delete existing figure 6

### 3.16.4 REFLECTIVE EMBLEMS AND MARKINGS.

Delete paragraph B and replace it with the following:

B. Side and rear markings

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1. Each side of the ambulance shall be marked with:
  - a. One "Star of Life," emblem not less than 16", in blue, die cut style, with a white border
  - b. The word "AMBULANCE" in block, blue, die cut style letters of not less than 6" in height, with a white border, alongside or under the "Star of Life" .
  
2. The rear of the ambulance shall be marked with:
  - a. Two "Star of Life," emblems not less than 10", in blue, die cut style, with a white border
  - b. The word "AMBULANCE" in block, blue, die cut style letters of not less than 6" in height, with a white border, alongside or under the two "Star of Life" emblems.

**END OF CHANGES**

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