



July 1, 2015

Federal Specification for the Star-of-Life Ambulance
KKK-A-1822F
Dated 1 August 2007
Change Notice 8

**THIS CHANGE NOTICE IS NOT CUMULATIVE AND SHALL BE RETAINED
UNTIL SUCH TIME AS THE STANDARD IS REVISED.**

The following changes, which form a part of FED-STD KKK-A-1822F, dated 1 August 2007, are approved by the General Services Administration, for use by all agencies.

If you have technical questions regarding this change notice, please contact John McDonald at jmcdonald@gsa.gov for assistance.

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2.2 OTHER PUBLICATIONS

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

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) — 1,500 lbs.
2. Modular ambulances (Type I or III) — 1,750 lbs.
3. Additional duty modular ambulances (Type I AD or III AD) — 2,250 lbs.

3.6.7 WHEELS

Delete Paragraph 3.6.7 and 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 and the heading, and replace it with the following:

3.10.3 RESERVED

3.11.4 PATIENT COMPARTMENT SEATING

Delete Paragraph 3.11.4, and replace it with the following paragraphs:

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.

The patient compartment shall contain seating to allow for the care of the primary patient (EMERGENCY MEDICAL SERVICES PROVIDER (EMSP) seating)

3.11.4.1 SEATS

Delete Paragraph 3.11.4.1, and 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, and replace it with the following paragraph:

A complete litter fastener assembly shall be furnished. The installed litter fastener device for wheeled cots shall meet the performance requirements of SAE J3027

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

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

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.

3.16.4 REFLECTIVE EMBLEMS AND MARKINGS

Delete Paragraph B, and replace it with the following:

B. Side and rear markings

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.

FIGURES:

Delete existing figure 6.

END OF CHANGES