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Standard Specification for Rotary Wing Basic Life Support, Advanced Life Support, and Specialized Medical Support Air Ambulances[1]

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1. Scope

1.1 This specification covers rotary wing aircraft involved in patient prehospital emergency medical care and transportation. It outlines the minimum requirements, including personnel, and patient care equipment and supplies, that must be met before the aircraft can be classified as a rotary wing air ambulance unit.

1.2 The first part of this specification (Sections 1 through 13.2) describes the minimum aircraft configuration and capability, the minimum number of seats for personnel, and the provisions for the minimum medical equipment and supplies for rotary wing basic life support air ambulances.

1.3 The provisions of this specification plus the provisions of the Advanced Life Support (ALS) Annex comprise the specification for rotary wing advanced life support air ambulances.(See Section 1 and 1.1 of the Advanced Life Support (ALS) Annex for the scope for rotary wing advanced life support air ambulances.)

1.4 The provisions of this specification plus the provisions of the Advanced Life Support Annex, plus the provisions in the Specialized Medical Support (SMS) Annex comprise the specification for rotary wing specialized medical support air ambulances. (See Sections 1 through 1.3 of the Specialized Medical Support (SMS) Annex for the scope for rotary wing specialized medical support air ambulances.)

2. Referenced Documents

2.1 *ASTM Standards:* [2]

D 3577 Specification for Rubber Surgical Gloves

D 3578 Specification for Rubber Examination Gloves

F 920 Specification for Minimum Performance and Safety Requirements for Resuscitators Intended for Use with Humans

F 960 Specification for Medical and Surgical Suction and Drainage Systems[3]

F 1031 Practice for Training the Emergency Medical Technician (Basic)

F 1118 Specification for National Air Medical Transport Units Resources Catalog

F 1149 Practice for Qualifications, Responsibilities, and Authority of Individuals and Institutions Providing Medical Direction of Emergency Medical Services

F 1177 Terminology Relating to Emergency Medical Services

F 1219 Guide for Training the Emergency Medical Technician (Basic) to Perform Patient Primary Assessment

F 1220 Guide for Emergency Medical Services System (EMSS) Telecommunications

F 1229 Guide for Establishing the Qualifications, Education, and Training of EMS, Air-Medical Patient Care Providers

F 1555 Guide for Characteristics for Extremity Splints

F 1556 Guide for Spinal Immobilization and Extrication (Spined) Device Characteristics

F 1557 Guide for Full Body Spinal Immobilization Devices (FBSID) Characteristics

F 1558 Guide for Characteristics for Adjunct Cervical Spine Immobilization Devices (ACSID)

F 1559 Guide for Characteristics for Cervical Spine Immobilization Collar(s) (CSIC)

2.2 *NTIS Document:*[4]

USARTL-TR-79-22D Aircraft Crash Survival Design Guide

2.3 *Federal Laws and Regulations:*[5]

14 CFR Chapter 1—Federal Aviation Administration (FAA) Rules and Regulations, Parts 1-49 and 61-139; specifically, Subpart 135.19—Emergency Operations, and Subpart 135.271—Helicopter Hospital Emergency Medical

[1] This specification is under the jurisdiction of ASTM Committee F30 on Emergency Medical Services and is the direct responsibility of Subcommittee F30.01 on EMS Equipment.

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[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[3] Withdrawn.

[4] Available from the National Technical Information Service (NTIS) , 5285 Port Royal Rd., Springfield, VA 22161. http://www.ntis.gov. Accession Number ADA 2118434.

[5] Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. When indicated, reprints of certain regulations may be obtained from the Federal agency responsible for issuance thereof.

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