



Oregon Health Authority
 EMS and Trauma Systems Program
Air Ambulance Vehicle Survey



Survey Date/Time:
Ambulance Service Name:
Service Representative:
OHA Representative:
Ambulance Vehicle OHA License #:
Ambulance Vehicle FAA #:

Air Ambulance Configuration and Survival Equipment Requirements:				
				OAR 333-255-0080
	Yes	No	N/A	Notes
An air ambulance in operation must be in compliance with all Federal Aviation Administration (FAA) regulations contained in Part 135, and ORS chapter 682				
An air ambulance must be maintained and maintenance records kept and made available for inspection by the Authority				
A climate control system to prevent temperature extreme that would adversely affect patient care				
Interior lighting, so that patient care can be given and patient status monitored. The interior lighting must not interfere with the pilot's operation of the aircraft				
At least one outlet per patient and current for 110 volts (50/60 cycle) alternating current or other current which is capable of operating all electrically-powered medical equipment				
A back-up source of electric current or batteries capable of operating all electrically-powered life support equipment for a minimum of one-hour				
An adequate door to allow loading and unloading of a patient without rotating the patient and stretcher more than 30 degrees about the longitudinal (roll) axis or 45 degrees about the lateral (pitch) axis				
A configuration that allows the medical personnel access to the patient in order to begin and maintain treatment modalities. There must always be complete access to the patient's head and upper body for effective airway management				
The stretcher and medical equipment placed in a manner that shall not impede rapid egress by personnel or patient from the aircraft				

Communications equipment to ensure both internal crew and air-to-ground exchange of information between individuals and agencies appropriate to the mission. Scene response aircraft must be able to communicate with EMS and law enforcement personnel at the scene				
An installed self-activating emergency locator transmitter				
The aircraft must have survival equipment for crew members and patients:				OAR 333-255-0080
	Yes	No	N/A	Notes
Clothes for the season and area to be served				
Thermal (space) blanket				
Plastic tarp, at least 5' x 7'				
Signal mirror				
Compass				
Canned smoke signal, or flare pistol and flares or pencil-flares				
Flashlight or headlamp				
Orange signal banner				
Noise maker (whistle)				
Drinkable water (minimum of three liters) or intravenous fluid				
Emergency food rations supplying at least 3,000 calories per person				
Waterproof matches or fire-starting equipment				
Fire extinguisher (ABC rating)				
The aircraft owner who does not own their medical equipment or employ their medical personnel, must have on file with the Authority a copy of the signed and dated agreement or contract with the agency that does provide either the medical personnel or medical equipment to be used on the air ambulance. The signed and dated agreement or contract must be filed annually or whenever substantive changes are made, whichever is more frequent				
Interfacility Transfers:				OAR 333-255-0081
	Yes	No	N/A	Notes
When an interfacility transfer is requested, a representative from both the ambulance service and the hospital must communicate clearly, prior to transfer, the type of aircraft being requested, as well as the type of aircraft that will respond, if different than requested. The patient's medical condition, additional equipment and personnel required, and the weather conditions and aircraft available must be taken into consideration				

Interfacility Transfers - Patient Care Equipment:

The following patient care equipment, in satisfactory working condition and kept in a sanitary manner, is required on all air ambulance flights. The equipment may be kept separate from the aircraft in modular pre-packaged form, so as to be available for rapid loading, easy securing and easy access aboard the aircraft:

OAR 333-255-0081

	Yes	No	N/A	Notes
Medical oxygen cylinders and regulators: Medical oxygen cylinder with a capability of at least 600 liters and having not less than 500psi: The oxygen cylinder(s) must be securely fastened to the aircraft while in flight;The oxygen must be delivered by a yoke regulator with a pressure gauge and a non-gravity-dependent flow meter that is visible and accessible to the medical personnel; and the flow meter must be adjustable over a minimum range of 0 to 15 liters per minute				
A spare portable oxygen cylinder that is full, tagged, sealed, and securely mounted				
Oxygen non-rebreathing masks with tubing in sizes to fit infants to adults				
Oxygen nasal cannula with tubing that is transparent and disposable in sizes to fit neonates to adults				
Bag-valve-mask ventilation device reservoir and masks in sizes to fit neonates to adults. The device(s) must: Have a standard universal adapter; Be operable with or without an oxygen supply; and be manually operated and self-refilling				
Nebulizer, if reflected by current standing orders				
Pharyngeal esophageal airway devices in sizes to fit neonates to adults				
Endtidal CO2 detection device				
Oropharyngeal airways in sizes to fit neonates to adults				
Nasal airways in sizes to fit neonates to adults				
Suction equipment: Portable suction aspirator:The unit must be either a self-contained battery or oxygen-powered unit that can operate continuously for 20 minutes and is rechargeable or be a manually-powered unit;The unit must be capable of developing a minimum vacuum of 300 mm Hg within four seconds after the suction tube is closed; The unit must provide a free air flow of at least 20 liters per minute;The unit must be adjustable for use on pediatric and intubated patients; The unit must include at least a 300-ml collection bottle; and a secondary suction apparatus				

Suction connecting tubing and catheters: Suction connecting tubing that is at least one-quarter of an inch in diameter, translucent and will not kink or collapse under high suction — 2; and suction catheters in sizes to fit neonates to adults				
Stretcher. The stretcher must: Be securely fastened to the aircraft in accordance with FAA regulations; and have restraining devices for the legs, pelvis, torso and an over the shoulder restraint				
Emesis containers				
Stethoscope in pediatric and adults sizes				
Aneroid sphygmomanometer in pediatric, adult and bariatric sizes				
Bandage shears				
Hypothermia thermometer				
Chemical heat and cold packs, 4 each				
Digital or mechanical means to test blood glucose level				
Urinals, female and male, 1 each				
Bed pan (Exempt from rotary-wing aircraft)				
Commercially available soft restraints				
Device to perform continuous waveform capnography				
Device to provide pressure infusion of IV fluids				
Equipment suitable for administering a fluid bolus to pediatric patients that limits risk for inadvertent over-administration of fluid				
Personal protection equipment sufficient for crew and patient(s):				OAR 333-255-0081
	Yes	No	N/A	Notes
Non-latex disposable gloves				
Surgical masks				
Protective eyewear				
Disposable isolation gowns				
Hand cleaning solution or foam				
Surface cleaning disinfectant				
Sharps container for each kit that contains needles				
Infectious waste disposal bags				
Linen supplies and replacements to cover stretcher				
Commercially packaged or sterile burn sheets				
Commercially manufactured arterial tourniquet -2				
Latex free venous tourniquets				
Sterile saline solution for irrigation				

Supplies necessary to complete a Patient Care Report as required by OAR 333-250-0310					
A copy of standing orders dated within one year and signed by the EMS medical director					
A universal "No Smoking" sign must be conspicuously displayed in the aircraft					
Scene Response:					
All patient care equipment specified in OAR 333-255-0081 above and the following additional requirements:					333-255-0082
	Qty	Yes	No	N/A	Notes
Fracture immobilization equipment	misc				
Traction splint capable of pediatric and adult application	misc				
Extremity splints in pediatric and adult sizes	misc				
Extrication collars in pediatric and adult sizes	misc				
Bandages and dressings in assorted sizes, sterile and non-sterile	misc				
Wound packing material, including hemostatic dressings	misc				
Occlusive dressing or equivalent	misc				
Adhesive or hypo-allergenic tape in assorted sizes	misc				
A portable battery-operated manual monitor defibrillator capable of recording ECG reading	misc				
ECG electrodes: pediatric and adult	misc				
Hands-free pediatric and adult or combination pads	misc				
Capable of transcutaneous cardiac pacing and may be a stand-alone unit or integrated in the monitor and defibrillator unit	misc				
Patient cables	2				
ECG paper	misc				
Primary and secondary laryngoscopic devices in sizes to fit neonates to adults including: Straight 0,1,2, and 3 and curved 2 and 3	misc				
Endotracheal tubes in sizes to fit neonates to adults including: Uncuffed 2.5 mm and 3.0 mm; Cuffed or Uncuffed 3.5 mm, 4.0 mm, 4.5 mm, 5.0 mm, 5.5mm; and Cuffed 6.0 mm, 6.5mm, 7.0 mm, 7.5mm and 8.0 mm	misc				
Magill Forceps, pediatric and adult	misc				

Intubation stylettes, pediatric and adult	misc				
Endtidal CO2 detection device	misc				
Oxygen saturation monitor	misc				
Chest decompression equipment including: 23g diameter maximum length 2cm needles; 14g diameter maximum length 3.8cm needles; and 14g or larger diameter minimum length 8.25cm needles or commercial chest decompression device	misc				
Sterile intravenous agents and medications authorized by the EMS medical director	misc				
Over-the-needle catheters in assorted sizes 24-gauge through 14-gauge	misc				
Specifically-designed needles for intraosseous infusions	misc				
Nasogastric tubes in sizes to fit neonates to adults	misc				
Oregon Trauma System's Identification Bracelets	5				
The U.S. Department of Transportation, Emergency Response Guidebook	misc				
A copy of standing orders dated within one year and signed by the EMS Medical Director	misc				
A quick reference guide or other evidence-based reference material, such as length-based tape, that provides appropriate guidance for pediatric drug dosing and equipment sizing	misc				
Appropriately-sized child restraint system(s) that, at a minimum, covers a weight range of between 10 and 99 pounds. Only the manufacturer's recommendations for the weight or size of the patient should be considered when selecting the appropriate device for the specific child being transported	misc				