

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
Apply immediate first aid in the event of accident or illness on board	First-aid kit	In a written exam describe the contents of a first-aid kit	The candidate will be able to describe the contents of a standard first-aid kit.	The candidate will correctly describe at least 70% of the following contents: Dressings, Bandage material, splinting material, scissors, resuscitation mask with one way valve, examination gloves
	Body structure and function	In a written exam describe the structure of the body and its functions	The candidate will be able to describe the structure of the body and the structure's functions.	The candidate will correctly describe the general location and function at least 70% of the following: Respiratory, Circulatory, Nervous and Skeletal systems
	Toxicological hazards on board, including use of the Medical First Aid Guide for Use in Accidents Involving Dangerous Goods (MFAG) or its national equivalent	In a written exam describe the various toxicological hazards on board ship	The candidate will be able to describe the various toxicological hazards on board ship, procedures to prevent contamination of rescuer, and resuscitation techniques.	The candidate will correctly describe the toxicological hazards on board ship at least 70% of the following: Three methods of identifying a hazardous material; to include placards, shipping papers, container size and shape, and labels. Identification of agent by chemical name and UN number

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
				from the MGAG Describe techniques of airway maintenance and CPR.
	Examination of casualty or patient	When asked to perform an examination on a simulated on a non-critical patient	The candidate will be able to perform an initial assessment and detailed (secondary) physical exam.	The candidate will within 1 minute be able to perform an initial assessment and treatment of life threatening conditions, to include: Level of responsiveness, Breathing assessment, Circulation assessment, and identify severe bleeding The candidate will within 10 minutes be able to perform and record the following: Temperature (±2°F), Pulse (±6, rhythm and strength), Respiration (±6, depth, rhythm, and character), and Blood Pressure (±10 mmHg Systolic and Diastolic), head to toe assessment to identify any deformities, contusions, abrasions, penetrations, burns, tenderness, lacerations, or swelling.

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
	Spinal Injuries	When asked to perform a spinal immobilization on a simulated non-critical patient using a cervical immobilization device and direct a team of rescuers in performing a long spine board application	The candidate will be able to properly apply methods of spinal immobilization.	The candidate will perform within 20 minutes all of the steps of the process using the procedure which follows: Stabilize cervical spine Select and apply appropriate cervical spine immobilization device Maintain cervical traction while directing a team performing a log-roll onto a long spine board. Demonstrate securing the patient to a long spine board securing torso then head
	Burns, scalds and effects of heat and cold	In a written exam describe treatment of burns and scalds and the effects and treatment of heat and cold	The candidate will be able to describe the treatment of burns and scalds and the effects and treatment of heat and cold.	The candidate will correctly describe at least 70% of the following: Two characteristics of superficial (1 st degree), partial thickness (2 nd degree), and full thickness burns

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
				<p>List three examples of critical severe burns (Hands, face, feet genitals, airway involvement, circumferential burns, etc).</p> <p>List three examples of moderate burns (Full thickness burns from 2-10%, Partial thickness of 15 – 30% or Superficial burns of greater than 50%).</p> <p>List three steps in the management of a chemical burn (Scene safety precautions, wear personal protective equipment, proper removal of contaminant).</p> <p>List precautions to be taken at the scene of an electrical burn (Don't touch patient until power is removed)</p> <p>List steps in the treatment of electrical burn (Administer Oxygen, Monitor patient for</p>

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
				<p>respiratory or cardiac arrest, consider need for AED, Treat soft tissue injuries (entrance and exit wound)</p> <p>List 4 of the signs and symptoms of exposure to heat to include: Muscle cramps, weakness, dizziness, moist pale skin, hot dry skin, rapid heart rate, altered mental status.</p> <p>List 4 of the treatment steps for heat exhaustion (moist cool skin) to include: remove from hot environment, loosen & remove clothing, cool patient, place in supine (shock) position, hydrate.</p> <p>List 3 additional measures for heat stroke (hot dry skin) to include: apply cool packs to neck, groin and armpits; administer oxygen, keep skin wet by applying wet</p>

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
				<p>towels.</p> <p>List 4 signs and symptoms for exposure to cold to include: cool or cold skin, altered mental status, stiff rigid posture, shivering, breathing variations, slow responding pupils, change in pulse rate, low or absent blood pressure, changes in skin color.</p> <p>List 4 steps in the treatment of cold emergencies to include: remove from cold environment, remove wet clothing, cover with blanket, administer oxygen, re-warm with medical direction, do not massage extremities, restrict ingestion of stimulants.</p>
	Fractures, dislocations and muscular injuries	When asked to perform fracture management, with the assistance of a second rescuer, of a femur, non-angulated radius and bent knee fracture on simulated non-critical	The candidate will properly apply either a Thomas D ring, Hare Traction, or Sager splint to the femur fracture; apply a rigid splint to the radius fracture; apply a rigid	The candidate will be able to properly apply one of the following femoral traction devices: Hare traction, Thomas D ring, or Sager

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
		patients	splint to the bent knee.	<p>splint within 10 minutes performing the following critical elements:</p> <p>Manually stabilize the leg Assess neuro-vascular distal function Properly measure and prepare device for application Apply manual traction Position device on leg Secure proximally Secure distally Apply mechanical traction Secure supporting straps Reevaluate distal pulse and neurological status</p> <p>The candidate will be able to properly splint a long bone fracture of the forearm with a rigid splint within 5 minutes performing the following critical elements:</p>

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
				<p>Manually stabilize arm Assess neuro-vascular distal function Select and properly pad appropriate device Secure splinting device to extremity with appropriate materials (i.e., cravats, roller gauze) Reassess distal neuro-vascular function.</p> <p>The candidate will be able to properly splint a bent knee fracture with a rigid splint within 5 minutes performing the following critical elements:</p> <p>Manually stabilize extremity Assess distal neuro-vascular function Select and pad two board splints Secure boards to medial and</p>

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
				lateral aspects of knee using at least 3 points with cravats or roller gauze Reassess distal neuro-vascular function
	Medical care of rescued persons	In a written exam describe medical care of rescued persons	The candidate will be able to list the possible results of exposure, signs and symptoms, and emergency care of rescued persons	The candidate will correctly list at least 70% of the following: Results of exposure to include; dehydration, hypothermia, and hyperthermia List at least 4 dehydration signs and symptoms to include: anorexia, nausea, postural syncope poor skin turgor, furrowed tongue, sunken eyes, and weak rapid pulse. List the treatment for dehydration: give fluids orally
	Radio medical advice	In a written exam describe the information given to and received	The candidate will be able to list the critical information to be	The candidate will be able to list at least 70% of the

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
		from the medical advisor	communicated to the medical advisor and the critical information to be confirmed with the medical advisor	<p>following: Information to be communicated to medical advisor to include; patient's sex and age, chief complaint, vital signs, signs and symptoms, allergies, medications, significant history, events preceding injury or illness. Method to confirm medical advisor's orders to include writing order and repeating to medical advisor</p>
	Pharmacology	In a written exam identify the properties of a medication using a medication reference	The candidate will be able to identify the properties of a medication by use of a medication reference.	<p>The candidate, using a medication reference (i.e., PDR, Ship's Medicine Chest, nursing drug reference, etc.) will correctly identify at least 70% of the following:</p> <p>Generic and trade name, indications, contraindications, common dosages, and adverse reactions.</p>

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
	Sterilization	In a written exam describe maintaining sterile technique	The candidate will describe the procedures for maintaining a sterile environment and methods for sterilizing equipment.	The candidate will correctly list at least 70% of the following: Define the difference between sterile and clean technique. Describe methods to maintain a sterile environment to include: prevention of contact of non-sterile to sterile items and limiting exposure of sterile environment to air. Describe procedure for sterilizing equipment and instruments by autoclaving for 30 minutes at 121° C.
	Cardiac arrest, drowning and asphyxia	The student, given an adult manikin designed for cardio-pulmonary resuscitation, and an automated external defibrillator trainer	The student will demonstrate airway management techniques and management of a cardiac arrest victim	The student will demonstrate all of the following: Assessment of responsiveness and state that rescuer should call for help if victim is unresponsive. Open airway by the following methods: Head-tilt, chin lift (no

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
				<p>suspected neck injury) Modified jaw thrust (suspected neck injury) Assess breathing by look, listen and feel. Give rescue breaths to non-breathing victim (2 ventilations) Assess for pulse using carotid artery If no pulse, properly locate hand positions for chest compressions and administer at depth and rate according to American Heart Association standards. Administer 15 chest compressions followed by 2 ventilations Continue CPR for a total of 4 cycles (one minute) of 15:2 (compressions:ventilations). Then re-assess breathing and pulse. If no pulse, continue CPR. If pulse but no breathing, continue rescue breathing. If pulse and breathing present, place victim in recovery</p>

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
				<p>position (on left side) When AED trainer arrives, attach AED to pulseless victim, activate AED according to operating procedures and deliver shock if indicated. Student will state that AED may only be used on unresponsive, pulseless victim over 12 years of age and weighing more than 90 pounds. State three circumstances in which CPR may be terminated (victim revived, unsafe to continue, too exhausted to continue, revived by competent provider) Demonstrate procedures for management of an obstructed airway: Conscious victim: Ask victim if choking If victim cannot respond, perform sub-diaphragmatic thrusts (5), re-assess. If still choking, continue until victim is</p>

TABLE A-VI/4- Guideline for Assessment
Specification of minimum standard of proficiency in medical first aid

Name _____ Soc. Sec. No. _____

Column 1 STCW Competence	Column 2 Knowledge, understanding and proficiency	Column 3 Performance Conditions (Conditions under which performance is measured)	Column 4 Performance Behavior (Mariner knowledge or action including consequences of same) Demonstration or Oral/Written Exam	Column 5 Performance Standards (Minimum criteria against which performance is measured)
				breathing or becomes unconscious. Unconscious Victim: Lay victim on back. Attempt rescue breathing, repositioning head if necessary If airway blocked, administer 5 Abdominal thrusts, perform mouth sweep and attempt to ventilate. Continue until airway cleared